



# WV-043 Client-Server Protocol DTD and Examples

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Continues the Technical Activities  
Originated in the Wireless Village Initiative



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# 1. Scope

The Wireless Village Instant Messaging and Presence Service (IMPS) includes four primary features:

- Presence
- Instant Messaging
- Groups
- Shared Content

Presence is the key enabling technology for IMPS. It includes client device availability (my phone is on/off, in a call), user status (available, unavailable, in a meeting), location, client device capabilities (voice, text, GPRS, multimedia) and searchable personal statuses such as mood (happy, angry) and hobbies (football, fishing, computing, dancing). Since presence information is personal, it is only made available according to the user's wishes - access control features put the control of the user presence information in the users' hands.

Instant Messaging (IM) is a familiar concept in both the mobile and desktop worlds. Desktop IM clients, two-way SMS and two-way paging are all forms of Instant Messaging. Wireless Village IM will enable interoperable mobile IM in concert with other innovative features to provide an enhanced user experience.

Groups or chat are a fun and familiar concept on the Internet. Both operators and end-users are able to create and manage groups. Users can invite their friends and family to chat in group discussions. Operators can build common interest groups where end-users can meet each other online.

Shared Content allows users and operators to setup their own storage area where they can post pictures, music and other multimedia content while enabling the sharing with other individuals and groups in an IM or chat session.

These features, taken in part or as a whole, provide the basis for innovative new services that build upon a common interoperable framework.

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## 3. Terminology and Conventions

### 3.1 Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

All sections and appendixes, except “Scope” and “Introduction”, are normative, unless they are explicitly indicated to be informative.

### 3.2 Definitions

None.

### 3.3 Abbreviations

None.

## 4. Introduction

This document describes how XML is utilized to carry Wireless Village primitives and the information elements within.

The document provides the DTD and the TransactionContent namespace as well as examples of each transaction.

Binary content cannot be included in the XML document directly, because it may invalidate the document. Thus, the binary content must be encoded with the BASE64 encoding algorithm, as defined in [RFC2045].

If an optional informational element, or a conditional information element where the conditions is false, is omitted in the CSP primitive, it should be omitted from XML representation as well where applicable

## 5. The DTD

```

<!--
WV CSP (WV-CSP) V1.2 Document Type Definition

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All rights reserved

WV-CSP is an XML language. Typical Usage:
  <?xml version="1.0"?>
  <!DOCTYPE WV-CSP PUBLIC "-//OMA//DTD WV-CSP 1.2//EN"
    http://www.openmobilealliance.org/DTD/WV-CSP.DTD
    [<?oma-wv-csp-ver supported-versions="1.2"?>]>
  <WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  .....
  </WV-CSP-Message>

Terms and conditions of use are available from the
Open Mobile Alliance Ltd. Web site at
http://www.openmobilealliance.org/useterms.html
-->

<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT WV-CSP-Message (Session)>
<!ATTLIST WV-CSP-Message xmlns CDATA #REQUIRED>

<!ELEMENT Session (SessionDescriptor, Transaction+, Poll? , CIR?)>

<!ELEMENT SessionDescriptor (SessionType, SessionID?)>
<!ELEMENT SessionType (#PCDATA)>
<!ELEMENT SessionID (#PCDATA)>

<!ELEMENT Transaction (TransactionDescriptor, TransactionContent, ExtBlock*)>
<!ELEMENT TransactionDescriptor (TransactionMode, TransactionID)>
<!ELEMENT TransactionMode (#PCDATA)>
<!ELEMENT TransactionID (#PCDATA)>
<!ELEMENT Poll (#PCDATA)>
<!ELEMENT CIR (#PCDATA)>

<!ELEMENT TransactionContent (#PCDATA)>
<!ATTLIST TransactionContent xmlns CDATA #REQUIRED>

<!ELEMENT ExtBlock (#PCDATA)>
<!ATTLIST ExtBlock xmlns CDATA #REQUIRED>

<!ELEMENT WV-CSP-VersionDiscovery-Request (VersionList?, ExtendedData*)>
<!ELEMENT WV-CSP-VersionDiscovery-Response (VersionList?, OtherServer*,
  ExtendedData*)>

<!ELEMENT VersionList (SessionNSName+, TransactionNSName+,
  PresenceAttributeNSName*)>
<!ELEMENT SessionNSName (#PCDATA)>
<!ELEMENT TransactionNSName (#PCDATA)>
<!ELEMENT PresenceAttributeNSName (#PCDATA)>
<!ELEMENT OtherServer (URL | MSISDN | (URL, MSISDN))>
<!ELEMENT URL (#PCDATA)>
<!ELEMENT MSISDN (#PCDATA)>
<!ELEMENT ExtendedData (#PCDATA)>

```

<!ATTLIST ExtendedData xmlns CDATA #REQUIRED>

## 6. The TransactionContent namespace

```

<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT TransactionContent (Status | Polling-Request | Login-Request | Login-
  Response | Service-Request | Service-Response | ClientCapability-Request |
  ClientCapability-Response | Logout-Request | Disconnect | KeepAlive-Request |
  KeepAlive-Response | GetSPInfo-Request | GetSPInfo-Response | Search-Request |
  Search-Response | StopSearch-Request | Invite-Request | Invite-Response |
  InviteUser-Request | InviteUser-Response | CancelInvite-Request |
  CancelInviteUser-Request | VerifyID-Request | SubscribePresence-Request |
  UnsubscribePresence-Request | PresenceNotification-Request | GetWatcherList-
  Request | GetWatcherList-Response | GetPresence-Request | GetPresence-Response
  | PresenceAuth-Request | PresenceAuth-User | CancelAuth-Request |
  GetReactiveAuthStatus-Request | GetReactiveAuthStatus-Response |
  UpdatePresence-Request | SendMessage-Request | SendMessage-Response |
  SetDeliveryMethod-Request | GetMessageList-Request | GetMessageList-Response |
  RejectMessage-Request | MessageNotification | GetMessage-Request | GetMessage-
  Response | NewMessage | MessageDelivered | DeliveryReport-Request |
  ForwardMessage-Request | GetBlockedList-Request | GetBlockedList-Response |
  BlockEntity-Request | GetList-Request | GetList-Response | CreateList-Request
  | DeleteList-Request | ListManage-Request | ListManage-Response |
  CreateAttributeList-Request | DeleteAttributeList-Request | GetAttributeList-
  Request | GetAttributeList-Response | CreateGroup-Request | DeleteGroup-
  Request | JoinGroup-Request | JoinGroup-Response | LeaveGroup-Request |
  LeaveGroup-Response | GetGroupMembers-Request | GetGroupMembers-Response |
  GetJoinedUsers-Request | GetJoinedUsers-Response | AddGroupMembers-Request |
  RemoveGroupMembers-Request | MemberAccess-Request | GetGroupProps-Request |
  GetGroupProps-Response | SetGroupProps-Request | RejectList-Request |
  RejectList-Response | SubscribeGroupNotice-Request | SubscribeGroupNotice-
  Response | GroupChangeNotice | Extended-Request | Extended-Response)>

<!ELEMENT Status (Result, ClientID?)>
<!ELEMENT Polling-Request EMPTY>
<!ELEMENT Login-Request (UserID, ClientID, Password?, DigestBytes?,
  DigestSchema*, TimeToLive?, SessionCookie)>
<!ELEMENT Login-Response (ClientID, Result, Nonce?, DigestSchema?, SessionID?,
  KeepAliveTime?, CapabilityRequest?)>
<!ELEMENT Service-Request (Functions?, AllFunctionsRequest)>
<!ELEMENT Service-Response (Functions?, AllFunctions?)>
<!ELEMENT ClientCapability-Request (CapabilityList)>
<!ELEMENT ClientCapability-Response (AgreedCapabilityList)>
<!ELEMENT Logout-Request EMPTY>
<!ELEMENT Disconnect (Result)>
<!ELEMENT KeepAlive-Request (TimeToLive?)>
<!ELEMENT KeepAlive-Response (Result, KeepAliveTime?)>
<!ELEMENT GetSPInfo-Request (ClientID?)>
<!ELEMENT GetSPInfo-Response (ClientID?, Name, Logo?, Description?,URL?)>
<!ELEMENT Search-Request (SearchPairList*, SearchLimit?, SearchID?,
  SearchIndex?)>
<!ELEMENT StopSearch-Request (SearchID)>
<!ELEMENT Search-Response (SearchID?, SearchFindings, CompletionFlag,
  SearchIndex, SearchResult?)>
<!ELEMENT CompletionFlag (#PCDATA)>
<!ELEMENT Invite-Request (InviteID, InviteType, Recipient, GroupID?,
  PresenceSubList?, URLList?, InviteNote?, ScreenName?, Validity?)>
<!ELEMENT Invite-Response (InviteID, Acceptance, Sender, ResponseNote?)>
<!ELEMENT InviteUser-Request (InviteID, InviteType, Sender, GroupID?,
  PresenceSubList?, URLList?, InviteNote?, Validity?)>

```

```

<!ELEMENT InviteUser-Response (InviteID, Acceptance, Sender, ResponseNote?,
  ScreenName?)>
<!ELEMENT CancelInvite-Request (InviteID, Recipient?, InviteNote?, URLList?,
  ScreenName?)>
<!ELEMENT CancelInviteUser-Request (InviteID, Sender, InviteNote?, URLList?)>
<!ELEMENT VerifyID-Request (IDList)><!ELEMENT SubscribePresence-Request (User*,
  ContactList*, PresenceSubList?, AutoSubscribe)>
<!ELEMENT UnsubscribePresence-Request (User*, ContactList*)>
<!ELEMENT PresenceNotification-Request (Presence+)>
<!ELEMENT GetWatcherList-Request (HistoryPeriod?, MaxWatcherList?)>
<!ELEMENT GetWatcherList-Response (HistoryPeriod?, Watcher*)>
<!ELEMENT GetPresence-Request ((User+ | ContactList+), PresenceSubList?)>
<!ELEMENT GetPresence-Response (Result, Presence*)>
<!ELEMENT PresenceAuth-Request (UserID, PresenceSubList?)>
<!ELEMENT PresenceAuth-User (UserID, Acceptance, PresenceSubList?)>
<!ELEMENT CancelAuth-Request (UserID)>
<!ELEMENT GetReactiveAuthStatus-Request (UserID*)>
<!ELEMENT GetReactiveAuthStatus-Response (ReactiveAuthStatusList)>
<!ELEMENT UpdatePresence-Request (PresenceSubList)>

<!ELEMENT GetList-Request EMPTY>
<!ELEMENT GetList-Response (ContactList*, DefaultContactList?)>
<!ELEMENT CreateList-Request (ContactList, NickList?, ContactListProperties?)>
<!ELEMENT DeleteList-Request (ContactList)>
<!ELEMENT ListManage-Request (ContactList, (AddNickList | RemoveNickList |
  ContactListProperties)?, ReceiveList)>
<!ELEMENT ListManage-Response (Result, NickList?, ContactListProperties?)>
<!ELEMENT CreateAttributeList-Request (PresenceSubList, UserID*, ContactList*,
  DefaultList)>
<!ELEMENT DeleteAttributeList-Request (UserID*, ContactList*, DefaultList)>
<!ELEMENT GetAttributeList-Request (DefaultList, ContactList*, User*)>
<!ELEMENT GetAttributeList-Response (Result, DefaultAttributeList?, Presence*)>

<!ELEMENT SendMessage-Request (DeliveryReport, MessageInfo, ContentData?)>
<!ELEMENT SendMessage-Response (Result, MessageID?)>
<!ELEMENT SetDeliveryMethod-Request (DeliveryMethod, AcceptedContentLength?,
  GroupID?)>
<!ELEMENT GetMessageList-Request (GroupID?, MessageCount?)>
<!ELEMENT GetMessageList-Response (MessageInfo*)>
<!ELEMENT RejectMessage-Request (MessageID+)>
<!ELEMENT MessageNotification (MessageInfo)>
<!ELEMENT GetMessage-Request (MessageID)>
<!ELEMENT GetMessage-Response (MessageInfo, ContentData?)>
<!ELEMENT NewMessage (MessageInfo, ContentData?)>
<!ELEMENT MessageDelivered (MessageID)>
<!ELEMENT DeliveryReport-Request (Result, DeliveryTime?, MessageInfo)>
<!ELEMENT DeliveryTime (#PCDATA)>
<!ELEMENT ForwardMessage-Request (MessageID, Recipient)>
<!ELEMENT GetBlockedList-Request EMPTY>
<!ELEMENT GetBlockedList-Response (BlockList?, GrantList?)>
<!ELEMENT BlockEntity-Request (BlockList?, GrantList?)>

<!ELEMENT CreateGroup-Request (GroupID, GroupProperties, JoinGroup, ScreenName?,
  SubscribeNotification)>
<!ELEMENT DeleteGroup-Request (GroupID)>
<!ELEMENT JoinGroup-Request (GroupID, ScreenName?, JoinedRequest,
  SubscribeNotification, OwnProperties?)>
<!ELEMENT JoinGroup (#PCDATA)>

```



```

<!ELEMENT SubscribeNotification (#PCDATA)>
<!ELEMENT JoinGroup-Response (UserMapList?, WelcomeNote?)>
<!ELEMENT LeaveGroup-Request (GroupID)>
<!ELEMENT LeaveGroup-Response (GroupID?, Result)>
<!ELEMENT GetGroupMembers-Request (GroupID)>
<!ELEMENT GetGroupMembers-Response (Admin?, Mod?, Users?)>
<!ELEMENT GetJoinedUsers-Request (GroupID)>
<!ELEMENT GetJoinedUsers-Response (AdminMapList | UserMapList)>
<!ELEMENT AddGroupMembers-Request (GroupID, UserList)>
<!ELEMENT RemoveGroupMembers-Request (GroupID, UserList)>
<!ELEMENT MemberAccess-Request (GroupID, Admin?, Mod?, Users?)>
<!ELEMENT GetGroupProps-Request (GroupID)>
<!ELEMENT GetGroupProps-Response (GroupProperties, OwnProperties)>
<!ELEMENT SetGroupProps-Request (GroupID, GroupProperties?, OwnProperties?)>
<!ELEMENT RejectList-Request (GroupID, AddList?, RemoveList?)>
<!ELEMENT RejectList-Response (UserList?)>
<!ELEMENT SubscribeGroupNotice-Request (GroupID, SubscribeType)>
<!ELEMENT SubscribeGroupNotice-Response (Value)>
<!ELEMENT GroupChangeNotice (GroupID, Joined?, Left?, GroupProperties?,
  OwnProperties?)>
<!ELEMENT Extended-Request (#PCDATA)>
<!ATTLIST Extended-Request xmlns CDATA #REQUIRED>

<!ELEMENT Extended-Response (#PCDATA)>
<!ATTLIST Extended-Response xmlns CDATA #REQUIRED>

<!ELEMENT DigestBytes (#PCDATA)>
<!ELEMENT DigestSchema (#PCDATA)>
<!ELEMENT Password (#PCDATA)>
<!ELEMENT Nonce (#PCDATA)>
<!ELEMENT CapabilityRequest (#PCDATA)>
<!ELEMENT CapabilityList (ClientType, InitialDeliveryMethod, ((AnyContent,
  AcceptedCharSet*) | AcceptedContentType*), AcceptedTransferEncoding*,
  AcceptedContentLength, SupportedBearer*, MultiTrans, ParserSize,
  SupportedCIRMethod*, UDPPort?, ServerPollMin?, DefaultLanguage?)>
<!ELEMENT AgreedCapabilityList (SupportedBearer*, SupportedCIRMethod*,
  TCPAddress?, TCPPort?, ServerPollMin?, CIRURL?)>
<!ELEMENT ClientType (#PCDATA)>
<!ELEMENT InitialDeliveryMethod (#PCDATA)>
<!ELEMENT AnyContent (#PCDATA)>
<!ELEMENT AcceptedCharSet (#PCDATA)>
<!ELEMENT AcceptedContentType (#PCDATA)>
<!ELEMENT AcceptedTransferEncoding (#PCDATA)>
<!ELEMENT AcceptedContentLength (#PCDATA)>
<!ELEMENT SupportedBearer (#PCDATA)>
<!ELEMENT MultiTrans (#PCDATA)>
<!ELEMENT ParserSize (#PCDATA)>
<!ELEMENT SupportedCIRMethod (#PCDATA)>
<!ELEMENT UDPPort (#PCDATA)>
<!ELEMENT TCPAddress (#PCDATA)>
<!ELEMENT TCPPort (#PCDATA)>
<!ELEMENT ServerPollMin (#PCDATA)>
<!ELEMENT DefaultLanguage (#PCDATA)>
<!ELEMENT CIRURL (URL)>
<!ELEMENT Domain (#PCDATA)>

<!ELEMENT Result (Code, Description?, DetailedResult*)>

```

```

<!ELEMENT Code (#PCDATA)>
<!ELEMENT Description (#PCDATA)>
<!ELEMENT DetailedResult (Code, Description?, UserID*, GroupID*, ScreenName*,
  MessageID*, ContactList*, Domain*)>

<!ELEMENT HistoryPeriod (#PCDATA)>
<!ELEMENT MaxWatcherList (#PCDATA)>
<!ELEMENT Watcher (User, WatcherStatus?)>
<!ELEMENT WatcherStatus (#PCDATA)>

<!ELEMENT SessionCookie (#PCDATA)>
<!ELEMENT Sender (User | Group)>
<!ELEMENT Recipient (User*, Group*, ContactList*)>
<!ELEMENT User (UserID, ClientID?)>
<!ELEMENT Group (GroupID | ScreenName)>
<!ELEMENT UserID (#PCDATA)>
<!ELEMENT ClientID (URL?, MSISDN?)>
<!ELEMENT GroupID (#PCDATA)>
<!ELEMENT IDList (UserID*, ContactList*, GroupID*, ScreenName*, Domain*)>
<!ELEMENT MessageID (#PCDATA)>
<!ELEMENT MessageURI (#PCDATA)>
<!ELEMENT ScreenName (SName, GroupID)>
<!ELEMENT NickName (Name, UserID)>
<!ELEMENT URLList (URL+)>
<!ELEMENT URL (#PCDATA)>
<!ELEMENT MSISDN (#PCDATA)>
<!ELEMENT GroupList (GroupID+)>
<!ELEMENT UserList (User*, ScreenName*)>
<!ELEMENT ContactList (#PCDATA)>
<!ELEMENT DefaultContactList (#PCDATA)>
<!ELEMENT NickList ((NickName | UserID)*)>
<!ELEMENT AddNickList ((NickName | UserID)+)>
<!ELEMENT ReceiveList (#PCDATA)>
<!ELEMENT RemoveNickList (UserID+)>
<!ELEMENT DefaultList (#PCDATA)>
<!ELEMENT ReactiveAuthStatusList (ReactiveAuthStatus*)>
<!ELEMENT ReactiveAuthStatus (UserID, ReactiveAuthState, PresenceSubList?)>
<!ELEMENT ReactiveAuthState (#PCDATA)>
<!ELEMENT ReceiveList (#PCDATA)>

<!ELEMENT SearchPairList (SearchElement, SearchString)>
<!ELEMENT SearchElement (#PCDATA)>
<!ELEMENT SearchString (#PCDATA)>
<!ELEMENT SearchLimit (#PCDATA)>
<!ELEMENT SearchID (#PCDATA)>
<!ELEMENT SearchIndex (#PCDATA)>
<!ELEMENT SearchFindings (#PCDATA)>
<!ELEMENT SearchResult (UserList?, GroupList?)>

<!ELEMENT InviteID (#PCDATA)>
<!ELEMENT InviteType (#PCDATA)>
<!ELEMENT InviteNote (#PCDATA)>
<!ELEMENT Acceptance (#PCDATA)>
<!ELEMENT ResponseNote (#PCDATA)>

<!ELEMENT DefaultAttributeList (PresenceSubList*)>
<!ELEMENT Presence ((UserID | ContactList), PresenceSubList*)>
<!ELEMENT PresenceSubList (#PCDATA)>

```

```
<!ATTLIST PresenceSubList  xmlns CDATA #REQUIRED
                             xmlns:Ext CDATA #IMPLIED>

<!ELEMENT AutoSubscribe (#PCDATA)>
<!ELEMENT KeepAliveTime (#PCDATA)>
<!ELEMENT TimeToLive (#PCDATA)>

<!ELEMENT SName (#PCDATA)>
<!ELEMENT Name (#PCDATA)>
<!ELEMENT Value (#PCDATA)>

<!ELEMENT Validity (#PCDATA)>

<!ELEMENT MessageInfo (MessageID?, MessageURI?, ContentType?, ContentEncoding?,
    ContentSize, Recipient, Sender, DateTime?, Validity?)>
<!ELEMENT DateTime (#PCDATA)>
<!ELEMENT MessageCount (#PCDATA)>

<!ELEMENT DeliveryReport (#PCDATA)>
<!ELEMENT DeliveryMethod (#PCDATA)>

<!ELEMENT BlockList (InUse,(EntityList| (AddList?, RemoveList?)))>
<!ELEMENT GrantList (InUse,(EntityList| (AddList?, RemoveList?)))>
<!ELEMENT EntityList (UserID*, ScreenName*, GroupID*)>
<!ELEMENT AddList (UserID*, ScreenName*, GroupID*)>
<!ELEMENT RemoveList (UserID*, ScreenName*, GroupID*)>
<!ELEMENT InUse (#PCDATA)>

<!ELEMENT ContactListProperties (Property+)>
<!ELEMENT GroupProperties (Property+, WelcomeNote?)>
<!ELEMENT OwnProperties (Property+)>
<!ELEMENT Property (Name, Value?)>
<!ELEMENT WelcomeNote (ContentType, ContentEncoding?, ContentData)>

<!ELEMENT JoinedRequest (#PCDATA)>

<!ELEMENT Admin (UserList)>
<!ELEMENT Mod (UserList)>
<!ELEMENT Users (UserList)>
<!ELEMENT AdminMapList (AdminMapping?, ModMapping?, UserMapping?)>
<!ELEMENT UserMapList (UserMapping?)>
<!ELEMENT AdminMapping (Mapping+)>
<!ELEMENT ModMapping (Mapping+)>
<!ELEMENT UserMapping (Mapping+)>
<!ELEMENT Mapping (SName, UserID?)>

<!ELEMENT SubscribeType (#PCDATA)>
<!ELEMENT Joined (UserMapList)>
<!ELEMENT Left (UserList)>

<!ELEMENT Logo (ContentType, ContentSize?, ContentEncoding, ContentData)>
<!ELEMENT ContentType (#PCDATA)>
<!ELEMENT ContentData (#PCDATA)>
<!ELEMENT ContentSize (#PCDATA)>
<!ELEMENT ContentEncoding (#PCDATA)>

<!ELEMENT AllFunctionsRequest (#PCDATA)>
<!ELEMENT AllFunctions (WVCSPPFeat)>
```

```

<!ELEMENT Functions (WVCSPFeat)>
<!ELEMENT WVCSPFeat (FundamentalFeat?, PresenceFeat?, IMFeat?, GroupFeat?)>

<!ELEMENT FundamentalFeat ((MF | (ServiceFunc?, SearchFunc?, InviteFunc?,
  VerifyIDFunc?))?)>
<!ELEMENT PresenceFeat ((MP | (ContListFunc?, PresenceAuthFunc?,
  PresenceDeliverFunc?, AttListFunc?))?)>
<!ELEMENT IMFeat ((MM | (IMSendFunc?, IMReceiveFunc?, IMAuthFunc?))?)>
<!ELEMENT GroupFeat ((MG | (GroupMgmtFunc?, GroupUseFunc?, GroupAuthFunc?))?)>
<!ELEMENT MF EMPTY>
<!ELEMENT MP EMPTY>
<!ELEMENT MM EMPTY>
<!ELEMENT MG EMPTY>

<!ELEMENT ServiceFunc (GETSPI?)>
<!ELEMENT SearchFunc (SRCH?, STSRC?)>
<!ELEMENT InviteFunc (INVIT?, CAINV?)>
<!ELEMENT VerifyIDFunc (VRID?)>

<!ELEMENT ContListFunc (GCLI?, CCLI?, DCLI?, MCLS?)>
<!ELEMENT PresenceAuthFunc (GETWL?, REACT?, CAAUT?, GETAUT?)>
<!ELEMENT PresenceDeliverFunc (GETPR?, UPDPR?)>
<!ELEMENT AttListFunc (CALI?, DALI?, GALS?)>

<!ELEMENT IMSendFunc (MDELIV?, FWMSG?)>
<!ELEMENT IMReceiveFunc (SETD?, GETLM?, GETM?, REJCM?, NOTIF?, NEWM?)>
<!ELEMENT IMAuthFunc (GLBLU?, BLENT?)>

<!ELEMENT GroupMgmtFunc (CREAG?, DELGR?, GETGP?, SETGP?)>
<!ELEMENT GroupUseFunc (SUBGCN?, GRCHN?)>
<!ELEMENT GroupAuthFunc (GETGM?, ADDGM?, RMVGM?, MBRAC?, REJEC?, GETJU?)>

<!ELEMENT GETSPI EMPTY>
<!ELEMENT SRCH EMPTY>
<!ELEMENT STSRC EMPTY>
<!ELEMENT INVIT EMPTY>
<!ELEMENT CAINV EMPTY>
<!ELEMENT VRID EMPTY>

<!ELEMENT GCLI EMPTY>
<!ELEMENT CCLI EMPTY>
<!ELEMENT DCLI EMPTY>
<!ELEMENT MCLS EMPTY>
<!ELEMENT GETWL EMPTY>
<!ELEMENT REACT EMPTY>
<!ELEMENT CAAUT EMPTY>
<!ELEMENT GETAUT EMPTY>
<!ELEMENT GETPR EMPTY>
<!ELEMENT UPDPR EMPTY>
<!ELEMENT CALI EMPTY>
<!ELEMENT DALI EMPTY>
<!ELEMENT GALS EMPTY>

<!ELEMENT MDELIV EMPTY>
<!ELEMENT FWMSG EMPTY>
<!ELEMENT SETD EMPTY>
<!ELEMENT GETLM EMPTY>
<!ELEMENT GETM EMPTY>

```

```
<!ELEMENT REJCM EMPTY>
<!ELEMENT NOTIF EMPTY>
<!ELEMENT NEWM EMPTY>
<!ELEMENT GLBLU EMPTY>
<!ELEMENT BLENT EMPTY>

<!ELEMENT CREAG EMPTY>
<!ELEMENT DELGR EMPTY>
<!ELEMENT GETGP EMPTY>
<!ELEMENT SETGP EMPTY>
<!ELEMENT SUBGCN EMPTY>
<!ELEMENT GRCHN EMPTY>
<!ELEMENT GETGM EMPTY>
<!ELEMENT ADDGM EMPTY>
<!ELEMENT RMVGM EMPTY>
<!ELEMENT MBRAC EMPTY>
<!ELEMENT REJEC EMPTY>
<!ELEMENT GETJU EMPTY>
```

## 7. XML Binding Examples

### 7.1 Version Discovery transaction

#### 7.1.1 VersionDiscovery-Request primitive

```
<WV-CSP-VersionDiscovery-Request>
  <VersionList>
    <SessionNSName>
      http://www.wireless-village.org/CSP1.1
    </SessionNSName>
    <SessionNSName>
      http://www.openmobilealliance.org/DTD/WV-CSP1.2
    </SessionNSName>
    <TransactionNSName>
      http://www.wireless-village.org/TRC1.1
    </TransactionNSName>
    <TransactionNSName>
      http://www.openmobilealliance.org/DTD/WV-TRC1.2
    </TransactionNSName>
  </VersionList>
</WV-CSP-VersionDiscovery-Request>
```

#### 7.1.2 VersionDiscovery-Response primitive

```
<WV-CSP-VersionDiscovery-Response>
  <VersionList>
    <SessionNSName>
      http://www.openmobilealliance.org/DTD/WV-CSP1.2
    </SessionNSName>
    <TransactionNSName>
      http://www.openmobilealliance.org/DTD/WV-TRC1.2
    </TransactionNSName>
    <PresenceAttributeNSName>
      http://www.wireless-village.org/PA1.1
    </PresenceAttributeNSName>
    <PresenceAttributeNSName>
      http://www.openmobilealliance.org/DTD/WV-PA1.2
    </PresenceAttributeNSName>
    < PresenceAttributeNSName>
      http://www.dec.com/wv-presence-attribute-extension
    </PresenceAttributeNSName>
  </VersionList>
</WV-CSP-VersionDiscovery-Response>
```

### 7.2 Status primitive with details

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
```

```

    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Status>
        <Result>
          <Code>201</Code>
          <Description>Partially successful.</Description>
          <DetailedResult>
            <Code>531</Code>
            <Description>Unknown user.</Description>
            <UserID>wv:bad_user1@im.com</UserID>
            <UserID>wv:bad_user2@im.com</UserID>
          </DetailedResult>
          <DetailedResult>
            <Code>532</Code>
            <Description>Blocked.</Description>
            <UserID>wv:bad_user3@im.com</UserID>
            <UserID>wv:bad_user4@im.com</UserID>
          </DetailedResult>
        </Result>
      </Status>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.3 Polling-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID/>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Polling-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.4 2-way Login transaction

### 7.4.1 Login-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">

```

```

<Session>
  <SessionDescriptor>
    <SessionType>Outband</SessionType>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Request</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Login-Request>
        <UserID>wv:user@im.com</UserID>
        <ClientID>
          <URL>http://206.226.10.25:80/IMPSAPP</URL>
        </ClientID>
        <Password>1my2pass3word</Password>
        <TimeToLive>120</TimeToLive>
        <SessionCookie>im.user.com#20011224#328746293
        </SessionCookie>
      </Login-Request>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

## 7.4.2 Login-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Login-Response>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Result>
            <Code>200</Code>
            <Description>Successfully logged in.</Description>
          </Result>
          <SessionID>im.user.com#48815@server.com</SessionID>
          <KeepAliveTime>120</KeepAliveTime>
          <CapabilityRequest>T</CapabilityRequest>
        </Login-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```



## 7.5 4-way Login transaction

### 7.5.1 Login-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Login-Request>
          <UserID>wv:user@im.com</UserID>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <DigestSchema>PWD</DigestSchema>
          <DigestSchema>SHA</DigestSchema>
          <DigestSchema>MD4</DigestSchema>
          <DigestSchema>MD5</DigestSchema>
          <DigestSchema>MD6</DigestSchema>
          <SessionCookie>im.user.com#20011224#328746293
          </SessionCookie>
        </Login-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.5.2 Login-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Login-Response>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Result>
            <Code>200</Code>
            <Description>Successfully logged in.</Description>
          </Result>
        </Login-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        </Result>
        <Nonce>92387rhf934fho3fh9fkn309fn3pfun304ufn3</Nonce>
        <DigestSchema>MD6</DigestSchema>
        <CapabilityRequest>F</CapabilityRequest>
    </Login-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.5.3 Login-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Login-Request>
          <UserID>wv:user@im.com</UserID>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <DigestBytes>alkkuayfdsAKDSJfsdfjhksadhlkasdlkfgsal
          </DigestBytes>
          <TimeToLive>120</TimeToLive>
          <SessionCookie>im.user.com#20011224#328746293
          </SessionCookie>
        </Login-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.5.4 Login-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Login-Response>

```

```

    <ClientID>
      <URL>http://206.226.10.25:80/IMPSAPP</URL>
    </ClientID>
    <Result>
      <Code>200</Code>
      <Description>Successfully logged in.</Description>
    </Result>
    <SessionID>im.user.com#48815@server.com</SessionID>
    <KeepAliveTime>120</KeepAliveTime>
    <CapabilityRequest>T</CapabilityRequest>
  </Login-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.6 Service negotiation transaction

### 7.6.1 Service-Request primitive with Discovery and Negotiation

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Service-Request>
          <Functions>
            <WVCSPFeat>
              <FundamentalFeat/>
              <PresenceFeat/>
              <IMFeat/>
            </WVCSPFeat>
          </Functions>
          <AllFunctionsRequest>T</AllFunctionsRequest>
        </Service-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.6.2 Service-Response primitive with Discovery and Negotiation

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>

```

```

    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Service-Response>
        <Functions>
          <WVCSPFeat>
            <FundamentalFeat>
              <SearchFunc/>
            </FundamentalFeat>
          </WVCSPFeat>
        </Functions>
        <AllFunctions>
          <WVCSPFeat/>
        </AllFunctions>
      </Service-Response>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.6.3 Service-Request primitive with Discovery

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-TRC1.2">
        <Service-Request>
          <AllFunctionsRequest>T</AllFunctionsRequest>
        </Service-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.6.4 Service-Response primitive with Discovery

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>

```

```

    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-TRC1.2">
    <Service-Response>
      <AllFunctions>
        <WVCSPFeat/>
      </AllFunctions>
    </Service-Response>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.6.5 Service-Request primitive with Negotiation

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-TRC1.2">
      <Service-Request>
        <Functions>
          <WVCSPFeat>
            <FundamentalFeat/>
            <PresenceFeat/>
            <IMFeat/>
          </WVCSPFeat>
        </Functions>
        <AllFunctionsRequest>F</AllFunctionsRequest>
      </Service-Request>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

## 7.6.6 Service-Response primitive with Negotiation

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>

```

```

    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-TRC1.2">
    <Service-Response>
      <Functions>
        <WVCSPFeat>
          <FundamentalFeat>
            <SearchFunc/>
          </FundamentalFeat>
        </WVCSPFeat>
      </Functions>
    </Service-Response>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.7 Client capability negotiation transaction

### 7.7.1 ClientCapability-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ClientCapability-Request>
          <CapabilityList>
            <ClientType>MOBILE_PHONE</ClientType>
            <InitialDeliveryMethod>P</InitialDeliveryMethod>
            <AcceptedContentType>text/plain; charset=us-ascii
            </AcceptedContentType>
            <AcceptedContentType>application/x-sms
            </AcceptedContentType>
            <AcceptedContentType>text/x-vCard; charset=us-ascii
            </AcceptedContentType>
            <AcceptedContentType>
              text/x-vCalendar; charset=us-ascii
            </AcceptedContentType>
            <AcceptedTransferEncoding>BASE64
            </AcceptedTransferEncoding>
            <AcceptedContentLength>32767</AcceptedContentLength>
            <SupportedBearer>SMS</SupportedBearer>
            <SupportedBearer>WSP</SupportedBearer>
            <SupportedBearer>HTTP</SupportedBearer>
            <MultiTrans>1</MultiTrans>
            <ParserSize>32767</ParserSize>
            <SupportedCIRMethod>WAPSMS</SupportedCIRMethod>
          </CapabilityList>
        </ClientCapability-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <SupportedCIRMethod>WAPUDP</SupportedCIRMethod>
        <SupportedCIRMethod>SUDP</SupportedCIRMethod>
        <SupportedCIRMethod>STCP</SupportedCIRMethod>
        <UDPPort>91</UDPPort>
        <ServerPollMin>2</ServerPollMin>
    </CapabilityList>
</ClientCapability-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.7.2 ClientCapability-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ClientCapability-Response>
          <AgreedCapabilityList>
            <SupportedBearer>SMS</SupportedBearer>
            <SupportedBearer>WSP</SupportedBearer>
            <SupportedBearer>HTTP</SupportedBearer>
            <SupportedCIRMethod>WAPSMS</SupportedCIRMethod>
            <SupportedCIRMethod>WAPUDP</SupportedCIRMethod>
            <SupportedCIRMethod>SUDP</SupportedCIRMethod>
            <SupportedCIRMethod>STCP</SupportedCIRMethod>
            <TCPAddress>100.100.100.100</TCPAddress>
            <TCPPort>98</TCPPort>
            <ServerPollMin>3</ServerPollMin>
          </AgreedCapabilityList>
        </ClientCapability-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.8 Logout transaction

### 7.8.1 Logout-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>

```

```

    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Request</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Logout-Request/>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

## 7.8.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.9 Server initiated logout transaction

### 7.9.1 Disconnect primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>

```



```

    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <Disconnect>
      <Result>
        <Code>601</Code>
        <Description>
          Updating server software. All services offline for 3 hours.
        </Description>
      </Result>
    </Disconnect>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.10 Time-out reset transaction

### 7.10.1 KeepAlive-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <KeepAlive-Request>
          <TimeToLive>20</TimeToLive>
        </KeepAlive-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.10.2 KeepAlive-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>

```

```

    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <KeepAlive-Response>
      <Result>
        <Code>200</Code>
        <Description>Successfully completed.</Description>
      </Result>
      <KeepAliveTime>120</KeepAliveTime>
    </KeepAlive-Response>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.11 Get service provider info transaction

### 7.11.1 GetSPInfo-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetSPInfo-Request>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
        </GetSPInfo-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.11.2 GetSPInfo-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>

```

```

    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <GetSPInfo-Response>
        <ClientID>
          <URL>http://206.226.10.25:80/IMPSAPP</URL>
        </ClientID>
        <Name>Fake Chocholate Co.</Name>
        <Logo>
          <ContentType>application/vnd.wap.mms-message
        </ContentType>
          <ContentSize>1234</ContentSize>
          <ContentEncoding>BASE64</ContentEncoding>
          <ContentData>Base64EncodedDataHere</ContentData>
        </Logo>
          <Description>We make the fakest chocholate in the world!
        </Description>
          <URL>http://www.fake-chocholate.co.uk</URL>
        </GetSPInfo-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.12 General search transaction

### 7.12.1 Search-Request (1<sup>st</sup>) primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Search-Request>
          <SearchPairList>
            <SearchElement>USER_LAST_NAME</SearchElement>
            <SearchString>Smith</SearchString>
          </SearchPairList>
          <SearchPairList>
            <SearchElement>USER_ONLINE_STATUS</SearchElement>
            <SearchString>T</SearchString>
          </SearchPairList>
          <SearchLimit>5</SearchLimit>
        </Search-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.12.2 Search-Response (1<sup>st</sup>) primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Search-Response>
          <SearchID>0x23829381</SearchID>
          <SearchFindings>7</SearchFindings>
          <CompletionFlag>F</CompletionFlag>
          <SearchIndex>6</SearchIndex>
          <SearchResult>
            <UserList>
              <User><UserID>wv:he@there.com</UserID></User>
              <User><UserID>wv:she@there.com</UserID></User>
              <User>
                <UserID>wv:matthias@salamander.com</UserID>
              </User>
              <User><UserID>wv:francisco@don.com</UserID></User>
              <User><UserID>wv:john@smith.com</UserID></User>
            </UserList>
          </SearchResult>
        </Search-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.12.3 Search-Request (continued) primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Search-Request>
          <SearchID>0x23829381</SearchID>

```

```

        <SearchIndex>6</SearchIndex>
    </Search-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.12.4 Search-Response (continued) primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Search-Response>
          <SearchFindings>7</SearchFindings>
          <CompletionFlag>T</CompletionFlag>
          <SearchIndex>7</SearchIndex>
          <SearchResult>
            <UserList>
              <User><UserID>wv:mary@site.com</UserID></User>
              <User><UserID>wv:anna@server.com</UserID></User>
            </UserList>
          </SearchResult>
        </Search-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.12.5 StopSearch-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <StopSearch-Request>
          <SearchID>0x23829381</SearchID>

```

```

    </StopSearch-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.12.6 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.13 General invitation transaction

### 7.13.1 Invite-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Invite-Request>
          <InviteID>0x38382025</InviteID>
          <InviteType>GR</InviteType>
          <Recipient>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
          <Group>

```

```

        <ScreenName>
            <SName>Johnny</SName>
            <GroupID>wv:john/partygroup@there.com</GroupID>
        </ScreenName>
    </Group>
</Recipient>
<GroupID>wv:john/partygroup@there.com</GroupID>
<InviteNote>Come to party! You have 10 minutes!
</InviteNote>
    <ScreenName>
        <SName>WV</SName>
        <GroupID>wv:john/partygroup@there.com</GroupID>
    </ScreenName>
    <Validity>600</Validity>
</Invite-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

### 7.13.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
    <Session>
        <SessionDescriptor>
            <SessionType>Inband</SessionType>
            <SessionID>im.user.com#48815@server.com</SessionID>
        </SessionDescriptor>
        <Transaction>
            <TransactionDescriptor>
                <TransactionMode>Response</TransactionMode>
                <TransactionID>IMApp01#12345@NOK5110</TransactionID>
            </TransactionDescriptor>
            <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
                <Status>
                    <Result>
                        <Code>200</Code>
                        <Description>Successfully completed.</Description>
                    </Result>
                </Status>
            </TransactionContent>
        </Transaction>
        <Poll>F</Poll>
    </Session>
</WV-CSP-Message>

```

### 7.13.3 InviteUser-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
    <Session>
        <SessionDescriptor>
            <SessionType>Inband</SessionType>
            <SessionID>im.user.com#48815@server.com</SessionID>
        </SessionDescriptor>
        <Transaction>
            <TransactionDescriptor>

```

```

    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12346@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <InviteUser-Request>
      <InviteID>0x38382025</InviteID>
      <InviteType>GR</InviteType>
      <Sender>
        <Group>
          <ScreenName>
            <SName>WV</SName>
            <GroupID>wv:john/partygroup@there.com</GroupID>
          </ScreenName>
        </Group>
      </Sender>
      <GroupID>wv:john/partygroup@there.com</GroupID>
      <InviteNote>Come to party!</InviteNote>
      <Validity>600</Validity>
    </InviteUser-Request>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.13.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.13.5 InviteUser-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>

```



```

    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Request</TransactionMode>
      <TransactionID>IMApp01#12347@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <InviteUser-Response>
        <InviteID>0x38382025</InviteID>
        <Acceptance>T</Acceptance>
        <Sender>

          <Group>

            <ScreenName>

              <SName>WV</SName>

              <GroupID>wv:john/partygroup@there.com</GroupID>

            </ScreenName>

          </Group>

        </Sender>

        <ResponseNote>OK, just a sec!</ResponseNote>
        <ScreenName>
          <SName>Johnny</SName>
          <GroupID>wv:john/partygroup@there.com</GroupID>
        </ScreenName>
      </InviteUser-Response>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

### 7.13.6 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        </Result>
      </Status>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.13.7 Invite-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12348@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Invite-Response>
          <InviteID>0x38382025</InviteID>
          <Acceptance>T</Acceptance>
          <Sender>
            <Group>
              <ScreenName>
                <SName>WV</SName>
                <GroupID>wv:john/partygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Sender>
          <ResponseNote>OK, just a sec!</ResponseNote>
        </Invite-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

### 7.13.8 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12348@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">

```

```

    <Status>
      <Result>
        <Code>200</Code>
        <Description>Successfully completed.</Description>
      </Result>
    </Status>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.14 Recall invitation transaction

### 7.14.1 CancelInvite-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <CancelInvite-Request>
          <InviteID>0x38382025</InviteID>
          <Recipient>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
            <Group>
              <ScreenName>
                <SName>Johnny</SName>
                <GroupID>wv:john/partygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Recipient>
          <InviteNote>Time is up!</InviteNote>
          <ScreenName>
            <SName>WV</SName>
            <GroupID>wv:john/partygroup@there.com</GroupID>
          </ScreenName>
        </CancelInvite-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.14.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>

```

```

    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Status>
        <Result>
          <Code>200</Code>
          <Description>Successfully completed.</Description>
        </Result>
      </Status>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.14.3 CancelInviteUser-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <CancelInviteUser-Request>
          <InviteID>0x38382025</InviteID>
          <Sender>
            <Group>
              <ScreenName>
                <SName>WV</SName>
                <GroupID>wv:john/partygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Sender>
          <InviteNote>Time is up!</InviteNote>
        </CancelInviteUser-Request>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.14.4 Status primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

## 7.15 Verify ID transaction

### 7.15.1 VerifyID-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <VerifyID-Request>
          <IDList>
            <UserID>john</UserID>
            <UserID>pam/friends</UserID>
            <UserID>pam/friends@outofmynet.com</UserID>
            <ContactList>/friends</ContactList>
            <GroupID>/managers@outofmynet.com</GroupID>
            <Domain>baddomain.com<Domain/>
          </IDList>
        </VerifyID-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

## 7.15.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>201</Code>
            <Description>Partially successful.</Description>
            <DetailedResult>
              <Code>531</Code>
              <Description>Unknown user.</Description>
              <UserID>john@mynet.com</UserID>
              <UserID>pam/friends@mynet.com</UserID>
              <UserID>pam/friends@outofmynet.com</UserID>
            </DetailedResult>
            <DetailedResult>
              <Code>200</Code>
              <Description>Group exists</Description>
              <GroupID>/managers@outofmynet.com</GroupID>
            </DetailedResult>
            <DetailedResult>
              <Code>700</Code>
              <Description>Contact list does not exist</Description>
              <ContactList>/friends@mynet.com</ContactList>
            </DetailedResult>
            <DetailedResult>
              <Code>404</Code>
              <Description>Domain name not found</Description>
              <Domain>baddomain.com<Domain/>
            </DetailedResult>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.16 Subscribe/unsubscribe presence transaction

### 7.16.1 SubscribePresence-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>

```

```

    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Request</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <SubscribePresence-Request>
        <ContactList>wv:john/ContactList-5@smith.com
      </ContactList>
      <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
        <OnlineStatus/>
        <Registration/>
        <ClientInfo/>
        <TimeZone/>
        <GeoLocation/>
        <Address/>
        <FreeTextLocation/>
        <PLMN/>
        <CommCap/>
        <UserAvailability/>
        <PreferredContacts/>
        <PreferredLanguage/>
        <StatusText/>
        <StatusMood/>
        <Alias/>
        <StatusContent/>
        <ContactInfo/>
      </PresenceSubList>
      <AutoSubscribe>T</AutoSubscribe>
    </SubscribePresence-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.16.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <Description>Successfully completed.</Description>
    </Result>
</Status>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.16.3 PresenceNotification-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <PresenceNotification-Request>
          <Presence>
            <UserID>wv:he@there.com</UserID>
            <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
              <OnlineStatus>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </OnlineStatus>
              <Registration>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </Registration>
              <ClientInfo>
                <Qualifier>T</Qualifier>
                <ClientType>MOBILE_PHONE</ClientType>
                <DevManufacturer>ABC Company</DevManufacturer>
                <Model>xyz200</Model>
                <Language>fin</Language>
              </ClientInfo>
              <TimeZone>
                <Qualifier>T</Qualifier>
                <Zone>+02</Zone>
              </TimeZone>
              <GeoLocation>
                <Qualifier>T</Qualifier>
                <Longitude>35 24 15.652W</Longitude>
                <Latitude>12 36 22.5N</Latitude>
                <Accuracy>200</Accuracy>
              </GeoLocation>
              <Address>
                <Qualifier>T</Qualifier>
                <Country>GB</Country>

```



```

    <City>London</City>
  </Address>
  <FreeTextLocation>
    <Qualifier>T</Qualifier>
    <PresenceValue>At home</PresenceValue>
  </FreeTextLocation>
  <PLMN>
    <Qualifier>T</Qualifier>
    <PresenceValue>Sonera</PresenceValue>
  </PLMN>
  <CommCap>
    <Qualifier>T</Qualifier>
    <CommC>
      <Cap>CALL</Cap>
      <Status>OPEN</Status>
      <Contact>+35804123123</Contact>
      <Note>I am using this phone during office hours
    </Note>
    </CommC>
    <CommC>
      <Cap>CALL</Cap>
      <Status>CLOSED</Status>
      <Contact>+35805456456</Contact>
      <Note>
        I am using this phone outside office hours
      </Note>
    </CommC>
    <CommC>
      <Cap>IM</Cap>
      <Status>OPEN</Status>
      <Contact>he@there.com</Contact>
      <Note>My IM-application is now online</Note>
    </CommC>
  </CommCap>
  <UserAvailability>
    <Qualifier>T</Qualifier>
    <PresenceValue>AVAILABLE</PresenceValue>
  </UserAvailability>
  <PreferredContacts>
    <Qualifier>T</Qualifier>
    <AddrPref>
      <PrefC>CALL</PrefC>
      <Caddr>+35804123123</Caddr>
      <Cstatus>OPEN</Cstatus>
      <Cname>Home Phone</Cname>
      <Cpriority>10</Cpriority>
    </AddrPref>
    <AddrPref>
      <PrefC>SMS</PrefC>
      <Caddr>+35804123123</Caddr>
      <Cstatus>OPEN</Cstatus>
      <Cname>Home Messaging</Cname>
      <Cpriority>20</Cpriority>
    </AddrPref>
    <AddrPref>
      <PrefC>IM</PrefC>
      <Caddr>ari@im.com</Caddr>
      <Cstatus>CLOSED</Cstatus>

```

```

        <Cname>Private IM</Cname>
        <Cpriority>30</Cpriority>
    </AddrPref>
</PreferredContacts>
<PreferredLanguage>
    <Qualifier>T</Qualifier>
    <PresenceValue>fin</PresenceValue>
</PreferredLanguage>
<StatusText>
    <Qualifier>T</Qualifier>
    <PresenceValue>Busy editing a document
</PresenceValue>
</StatusText>
<StatusMood>
    <Qualifier>T</Qualifier>
    <PresenceValue>SLEEPY</PresenceValue>
</StatusMood>
<Alias>
    <Qualifier>T</Qualifier>
    <PresenceValue>He</PresenceValue>
</Alias>
<StatusContent>
    <Qualifier>T</Qualifier>
    <ReferredContent>http://www.foo.com/MyLogo
</ReferredContent>
</StatusContent>
<ContactInfo>
    <Qualifier>T</Qualifier>
    <ReferredvCard>http://www.foo.com/MyCard
</ReferredvCard>
</ContactInfo>
</PresenceSubList>
</Presence>
</PresenceNotification-Request>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

#### 7.16.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>

```

```

        <Code>200</Code>
        <Description>Successfully completed.</Description>
    </Result>
</Status>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.16.5 UnsubscribePresence-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <UnsubscribePresence-Request>
          <ContactList>wv:john/ContactList-5@smith.com
          </ContactList>
        </UnsubscribePresence-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.16.6 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>

```

```

    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.17 Get watcher list transaction

### 7.17.1 GetWatcherList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetWatcherList-Request>
          <HistoryPeriod>0</HistoryPeriod>
          <MaxWatcherList>200</MaxWatcherList>
        </GetWatcherList-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.17.2 GetWatcherList-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetWatcherList-Response>
          <HistoryPeriod>172800</HistoryPeriod>
          <Watcher>
            <User><UserID>wv:he@there.com</UserID></User>
            <WatcherStatus>CURRENT_SUBSCRIBER</WatcherStatus>
          </Watcher>
          <Watcher>
            <User>
              <UserID>wv:she@there.com</UserID>
              <ClientID>

```

```

        <URL>http://123.123.123.123:80/IMPSAPP</URL>
    </ClientID>
</User>
    <WatcherStatus>FORMER_SUBSCRIBER</WatcherStatus>
</Watcher>
<Watcher>
    <User>
        <UserID>wv:me@there.com</UserID>
        <ClientID>
            <URL>http://123.123.123.124:80/IMPSAPP</URL>
        </ClientID>
    </User>
    <WatcherStatus>PRESENCE_ACCESS</WatcherStatus>
</Watcher>
</GetWatcherList-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.18 Get presence transaction

### 7.18.1 GetPresence-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetPresence-Request>
          <User><UserID>wv:he@there.com</UserID></User>
          <User><UserID>wv:she@there.com</UserID></User>
          <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
            <OnlineStatus/>
            <Registration/>
            <ClientInfo/>
            <TimeZone/>
            <GeoLocation/>
            <Address/>
            <FreeTextLocation/>
            <PLMN/>
            <CommCap/>
            <UserAvailability/>
            <PreferredContacts/>
            <PreferredLanguage/>
            <StatusText/>

```

```

        <StatusMood/>
        <Alias/>
        <StatusContent/>
        <ContactInfo/>
        <InfoLink/>
    </PresenceSubList>
</GetPresence-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.18.2 GetPresence-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetPresence-Response>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
          <Presence>
            <UserID>wv:he@there.com</UserID>
            <PresenceSubList xmlns="http://www.openmobilealliance/DTD/WV-
PA1.2">
              <OnlineStatus>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </OnlineStatus>
              <Registration>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </Registration>
              <ClientInfo>
                <Qualifier>T</Qualifier>
                <ClientType>MOBILE_PHONE</ClientType>
                <DevManufacturer>ABC Company</DevManufacturer>
                <Model>xyz200</Model>
                <Language>fin</Language>
              </ClientInfo>
              <TimeZone>
                <Qualifier>T</Qualifier>
                <Zone>+02</Zone>
              </TimeZone>
              <GeoLocation>
                <Qualifier>T</Qualifier>

```

```

    <Longitude>35 24 15.652W</Longitude>
    <Latitude>12 36 22.5N</Latitude>
    <Accuracy>200</Accuracy>
  </GeoLocation>
  <Address>
    <Qualifier>T</Qualifier>
    <Country>GB</Country>
    <City>London</City>
  </Address>
  <FreeTextLocation>
    <Qualifier>T</Qualifier>
    <PresenceValue>At home</PresenceValue>
  </FreeTextLocation>
  <PLMN>
    <Qualifier>T</Qualifier>
    <PresenceValue>Sonera</PresenceValue>
  </PLMN>
  <CommCap>
    <Qualifier>T</Qualifier>
    <CommC>
      <Cap>CALL</Cap>
      <Status>OPEN</Status>
      <Contact>+35804123123</Contact>
      <Note>I am using this phone during office hours
    </Note>
    </CommC>
    <CommC>
      <Cap>CALL</Cap>
      <Status>CLOSED</Status>
      <Contact>+35805456456</Contact>
      <Note>
        I am using this phone outside office hours
      </Note>
    </CommC>
    <CommC>
      <Cap>IM</Cap>
      <Status>OPEN</Status>
      <Contact>he@there.com</Contact>
      <Note>My IM-application is now online</Note>
    </CommC>
    <CommC>
      <Cap>IM</Cap>
      <Status>OPEN</Status>
      <Contact>he@there.com</Contact>
      <Note>My IM-application is now online</Note>
    </CommC>
  </CommCap>
  <UserAvailability>
    <Qualifier>T</Qualifier>
    <PresenceValue>AVAILABLE</PresenceValue>
  </UserAvailability>
  <PreferredContacts>
    <Qualifier>T</Qualifier>
    <AddrPref>
      <PrefC>CALL</PrefC>
      <Caddr>+35804123123</Caddr>
      <Cstatus>OPEN</Cstatus>
      <Cname>Home Phone</Cname>
    </AddrPref>
  </PreferredContacts>

```

```

        <Cpriority>10</Cpriority>
    </AddrPref>
    <AddrPref>
        <PrefC>SMS</PrefC>
        <Caddr>+35804123123</Caddr>
        <Cstatus>OPEN</Cstatus>
        <Cname>Home Messaging</Cname>
        <Cpriority>20</Cpriority>
    </AddrPref>
    <AddrPref>
        <PrefC>IM</PrefC>
        <Caddr>ari@im.com</Caddr>
        <Cstatus>CLOSED</Cstatus>
        <Cname>Private IM</Cname>
        <Cpriority>30</Cpriority>
    </AddrPref>
</PreferredContacts>
<PreferredLanguage>
    <Qualifier>T</Qualifier>
    <PresenceValue>fin</PresenceValue>
</PreferredLanguage>
<StatusText>
    <Qualifier>T</Qualifier>
    <PresenceValue>Busy editing a document
</PresenceValue>
</StatusText>
<StatusMood>
    <Qualifier>T</Qualifier>
    <PresenceValue>SLEEPY</PresenceValue>
</StatusMood>
<Alias>
    <Qualifier>T</Qualifier>
    <PresenceValue>He</PresenceValue>
</Alias>
<StatusContent>
    <Qualifier>T</Qualifier>
    <ReferredContent>http://www.foo.com/MyLogo
    <ContentType>image/gif</ContentType>
</ReferredContent>
</StatusContent>
<ContactInfo>
    <Qualifier>T</Qualifier>
    <ReferredvCard>http://www.foo.com/MyCard
</ReferredvCard>
</ContactInfo>
<InfoLink>
    <Qualifier>T</Qualifier>
    <Inf_link>
        <Link>http://www.myserviceprovider.com/myHomePage</Link>
        <Text>This is my homepage</Text>
        <ContentType>text/html</ContentType>
    </Inf_link>
</InfoLink>
</PresenceSubList>
</Presence>
<Presence>
    <UserID>wv:she@there.com</UserID>

```



```

PA1.2">
  <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
    <OnlineStatus>
      <Qualifier>T</Qualifier>
      <PresenceValue>T</PresenceValue>
    </OnlineStatus>
    <Registration>
      <Qualifier>T</Qualifier>
      <PresenceValue>T</PresenceValue>
    </Registration>
    <ClientInfo>
      <Qualifier>T</Qualifier>
      <ClientType>MOBILE_PHONE</ClientType>
      <DevManufacturer>ABC Company</DevManufacturer>
      <Model>xyz200</Model>
      <Language>fin</Language>
    </ClientInfo>
    <TimeZone>
      <Qualifier>T</Qualifier>
      <Zone>+02</Zone>
    </TimeZone>
    <GeoLocation>
      <Qualifier>T</Qualifier>
      <Longitude>35 24 15.652W</Longitude>
      <Latitude>12 36 22.5N</Latitude>
      <Accuracy>200</Accuracy>
    </GeoLocation>
    <Address>
      <Qualifier>T</Qualifier>
      <Country>GB</Country>
      <City>London</City>
    </Address>
    <FreeTextLocation>
      <Qualifier>T</Qualifier>
      <PresenceValue>At home</PresenceValue>
    </FreeTextLocation>
    <PLMN>
      <Qualifier>T</Qualifier>
      <PresenceValue>Sonera</PresenceValue>
    </PLMN>
    <CommCap>
      <Qualifier>T</Qualifier>
      <CommC>
        <Cap>CALL</Cap>
        <Status>OPEN</Status>
        <Contact>+35804123123</Contact>
        <Note>I am using this phone during office hours
      </Note>
      </CommC>
      <CommC>
        <Cap>CALL</Cap>
        <Status>CLOSED</Status>
        <Contact>+35805456456</Contact>
        <Note>
          I am using this phone outside office hours
        </Note>
      </CommC>
    </CommC>
  </PresenceSubList>

```

```

        <Cap>IM</Cap>
        <Status>OPEN</Status>
        <Contact>she@there.com</Contact>
        <Note>My IM-application is now online</Note>
    </CommC>                </CommCap>
</UserAvailability>
    <Qualifier>T</Qualifier>
    <PresenceValue>AVAILABLE</PresenceValue>
</UserAvailability>
<PreferredContacts>
    <Qualifier>T</Qualifier>
    <AddrPref>
        <PrefC>CALL</PrefC>
        <Caddr>+35804123123</Caddr>
        <Cstatus>OPEN</Cstatus>
        <Cname>Business Phone</Cname>
        <Cpriority>10</Cpriority>
    </AddrPref>
    <AddrPref>
        <PrefC>SMS</PrefC>
        <Caddr>+35804123123</Caddr>
        <Cstatus>OPEN</Cstatus>
        <Cname>Business Messaging</Cname>
        <Cpriority>20</Cpriority>
    </AddrPref>
    <AddrPref>
        <PrefC>IM</PrefC>
        <Caddr>ari@im.com</Caddr>
        <Cstatus>CLOSED</Cstatus>
        <Cname>Private IM</Cname>
        <Cpriority>30</Cpriority>
    </AddrPref>
</PreferredContacts>
<PreferredLanguage>
    <Qualifier>T</Qualifier>
    <PresenceValue>fin</PresenceValue>
</PreferredLanguage>
<StatusText>
    <Qualifier>T</Qualifier>
    <PresenceValue>Busy editing a document
</PresenceValue>
</StatusText>
<StatusMood>
    <Qualifier>T</Qualifier>
    <PresenceValue>SLEEPY</PresenceValue>
</StatusMood>
<Alias>
    <Qualifier>T</Qualifier>
    <PresenceValue>She</PresenceValue>
</Alias>
<StatusContent>
    <Qualifier>T</Qualifier>
    <DirectContent>
        BASE64EncodedDataHere
    </DirectContent>
    <ContentType>image/gif</ContentType>
</StatusContent>
<ContactInfo>

```

```

        <Qualifier>T</Qualifier>
        <ContainedvCard>
          vCardDataHere
        </ContainedvCard>
      </ContactInfo>
    <InfoLink>
      <Qualifier>T</Qualifier>
      <Inf_link>
        <Link>http://www.serviceprovider.com/myHomePage</Link>
        <Text>This is my homepage</Text>
        <ContentType>text/html</ContentType>
      </Inf_link>
    </InfoLink>
  </PresenceSubList>
</Presence>
</GetPresence-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.19 Reactive presence authorization transaction

### 7.19.1 PresenceAuth-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <PresenceAuth-Request>
          <UserID>wv:matthias@salamander.com</UserID>
          <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
            <OnlineStatus/>
            <Registration/>
            <ClientInfo/>
            <TimeZone/>
            <GeoLocation/>
            <Address/>
            <FreeTextLocation/>
            <PLMN/>
            <CommCap/>
            <UserAvailability/>
            <PreferredContacts/>
            <PreferredLanguage/>
          </PresenceSubList>
        </PresenceAuth-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <StatusText/>
        <StatusMood/>
        <Alias/>
        <StatusContent/>
        <ContactInfo/>
    </PresenceSubList>
</PresenceAuth-Request>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.19.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.19.3 PresenceAuth-User primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <PresenceAuth-User>
          <UserID>wv:matthias@salamander.com</UserID>
          <Acceptance>T</Acceptance>
        </PresenceAuth-User>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
        <OnlineStatus/>
        <Registration/>
        <ClientInfo/>
        <TimeZone/>
        <GeoLocation/>
        <Address/>
        <FreeTextLocation/>
        <PLMN/>
        <CommCap/>
        <UserAvailability/>
        <PreferredContacts/>
        <PreferredLanguage/>
        <StatusText/>
        <StatusMood/>
        <Alias/>
        <StatusContent/>
        <ContactInfo/>
    </PresenceSubList>
</PresenceAuth-User>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.19.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
  </Session>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12346@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Status>
        <Result>
          <Code>200</Code>
        </Result>
      </Status>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.20 Get reactive authorization status transaction

### 7.20.1 GetReactiveAuthStatus-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-TRC1.2">
        <GetReactiveAuthStatus-Request>
          <UserID>wv:matthias@salamander.com</UserID>
          <UserID>wv:john@salamander.com</UserID>
        </GetReactiveAuthStatus-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

### 7.20.2 GetReactiveAuthStatus-Response primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-TRC1.2">
        <GetReactiveAuthStatus-Response>
          <ReactiveAuthStatusList>
            <ReactiveAuthStatus>
              <UserID>wv:matthias@salamander.com</UserID>
              <ReactiveAuthState>PENDING</ReactiveAuthState >
            </ReactiveAuthStatus>
          </ReactiveAuthStatusList>
          <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-PA1.2">
            <OnlineStatus/>
          </PresenceSubList>
        </GetReactiveAuthStatus-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

```

        <PresenceSubList
xmlns="http://www.openmobilealliance.org/DTD/WV-PA1.2">
        <UserAvailability/>
        </PresenceSubList>
    </ReactiveAuthStatus>
    <ReactiveAuthStatus>
        <UserID>wv:john@salamander.com</UserID>
        <ReactiveAuthState>DENIED</ReactiveAuthState>
        <PresenceSubList
xmlns="http://www.openmobilealliance.org/DTD/WV-PA1.2">
        <OnlineStatus/>
        <UserAvailability/>
        </PresenceSubList>
    </ReactiveAuthStatus>
    </ReactiveAuthStatusList>
    </GetReactiveAuthStatus-Response>
    </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.21 Cancel presence authorization transaction

### 7.21.1 CancelAuth-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
    <Session>
        <SessionDescriptor>
            <SessionType>Inband</SessionType>
            <SessionID>im.user.com#48815@server.com</SessionID>
        </SessionDescriptor>
        <Transaction>
            <TransactionDescriptor>
                <TransactionMode>Request</TransactionMode>
                <TransactionID>IMApp01#12345@NOK5110</TransactionID>
            </TransactionDescriptor>
            <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
                <CancelAuth-Request>
                    <UserID>wv:matthias@salamander.com</UserID>
                </CancelAuth-Request>
            </TransactionContent>
        </Transaction>
    </Session>
</WV-CSP-Message>

```

### 7.21.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
    <Session>
        <SessionDescriptor>
            <SessionType>Inband</SessionType>
            <SessionID>im.user.com#48815@server.com</SessionID>
        </SessionDescriptor>

```

```

<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <Status>
      <Result>
        <Code>200</Code>
        <Description>Successfully completed.</Description>
      </Result>
    </Status>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.22 Update presence transaction

### 7.22.1 UpdatePresence-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <UpdatePresence-Request>
          <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
            <StatusText>
              <Qualifier>T</Qualifier>
              <PresenceValue>on the way home</PresenceValue>
            </StatusText>
            <StatusMood>
              <Qualifier>T</Qualifier>
              <PresenceValue>HAPPY</PresenceValue>
            </StatusMood>
          </PresenceSubList>
        </UpdatePresence-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```



## 7.22.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>
```

## 7.23 Send message transaction

### 7.23.1 SendMessage-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <SendMessage-Request>
          <DeliveryReport>T</DeliveryReport>
          <MessageInfo>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>58</ContentSize>
            <Recipient>
              <User>
                <UserID>wv:he@there.com</UserID>
              </User>
              <Group>
                <ScreenName>
```

```

        <SName>Wicked Vicky</SName>
        <GroupID>wv:john/chatgroup@there.com</GroupID>
    </ScreenName>
</Group>
    <ContactList>wv:john/My_friends@smith.com
</ContactList>
</Recipient>
<Sender>
    <User>
        <UserID>wv:john@smith.com</UserID>
    </User>
</Sender>
    <Validity>600</Validity>
</MessageInfo>
<ContentData>
    Hurry up; they are ringing the bells in the WV already...
</ContentData>
</SendMessage-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

### 7.23.2 SendMessage-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <SendMessage-Response>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
          <MessageID>0x0000f132</MessageID>
        </SendMessage-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.24 Set delivery method transaction

### 7.24.1 SetDeliveryMethod-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <SetDeliveryMethod-Request>
          <DeliveryMethod>P</DeliveryMethod>
          <AcceptedContentLength>2048</AcceptedContentLength>
          <GroupID>wv:/chatgroup@server.com</GroupID>
        </SetDeliveryMethod-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

### 7.24.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>
```

## 7.25 Get list of undelivered messages transaction

### 7.25.1 GetMessageList-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetMessageList-Request>
          <GroupID>wv:john/chatgroup@there.com</GroupID>
          <MessageCount>5</MessageCount>
        </GetMessageList-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

### 7.25.2 GetMessageList-Response primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetMessageList-Response>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>41</ContentSize>
            <Recipient>
              <Group>
                <ScreenName>
                  <SName>Johnnie</SName>
                  <GroupID>wv:john/chatgroup@there.com</GroupID>
                </ScreenName>
              </Group>
            </Recipient>
            <Sender>
              <Group>
```

```

        <ScreenName>
            <SName>Wicked Vicky</SName>
            <GroupID>wv:john/chatgroup@there.com</GroupID>
        </ScreenName>
    </Group>
</Sender>
<DateTime>20010925T1340Z</DateTime>
<Validity>600</Validity>
</MessageInfo>
<MessageInfo>
    <MessageID>0x0000f133</MessageID>
    <ContentType>text/plain</ContentType>
    <ContentEncoding>None</ContentEncoding>
    <ContentSize>20</ContentSize>
    <Recipient>
        <Group>
            <ScreenName>
                <SName>Johnnie</SName>
                <GroupID>wv:john/chatgroup@there.com</GroupID>
            </ScreenName>
        </Group>
    </Recipient>
    <Sender>
        <Group>
            <ScreenName>
                <SName>Wicked Vicky</SName>
                <GroupID>wv:john/chatgroup@there.com</GroupID>
            </ScreenName>
        </Group>
    </Sender>
    <DateTime>20010925T1342Z</DateTime>
    <Validity>600</Validity>
</MessageInfo>
</GetMessageList-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.26 Rejecting a message (notify/get method only) transaction

### 7.26.1 RejectMessage-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
    <Session>
        <SessionDescriptor>
            <SessionType>Inband</SessionType>
            <SessionID>im.user.com#48815@server.com</SessionID>
        </SessionDescriptor>
    </Session>
    <Transaction>
        <TransactionDescriptor>
            <TransactionMode>Request</TransactionMode>
            <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        </TransactionDescriptor>
    </Transaction>
</WV-CSP-Message>

```

```

    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <RejectMessage-Request>
        <MessageID>0x0000f132</MessageID>
      </RejectMessage-Request>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

## 7.26.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.27 Message notification (notify/get method only) transaction

### 7.27.1 MessageNotification primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <MessageNotification>
          <MessageInfo>

```

```

    <MessageID>0x0000f132</MessageID>
    <ContentType>text/plain</ContentType>
    <ContentEncoding>None</ContentEncoding>
    <ContentSize>189</ContentSize>
    <Recipient>
      <Group>
        <ScreenName>
          <SName>Johnnie</SName>
          <GroupID>wv:john/chatgroup@there.com</GroupID>
        </ScreenName>
      </Group>
    </Recipient>
    <Sender>
      <Group>
        <ScreenName>
          <SName>Wicked Vicky</SName>
          <GroupID>wv:john/chatgroup@there.com</GroupID>
        </ScreenName>
      </Group>
    </Sender>
    <DateTime>20010925T1340Z</DateTime>
    <Validity>600</Validity>
  </MessageInfo>
</MessageNotification>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.27.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.28 Retrieving a message (get/notify method) transaction

### 7.28.1 GetMessage-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetMessage-Request>
          <MessageID>0x0000f132</MessageID>
        </GetMessage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

### 7.28.2 GetMessage-Response primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetMessage-Response>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>41</ContentSize>
            <Recipient>
              <Group>
                <ScreenName>
                  <SName>Johnnie</SName>
                  <GroupID>wv:john/chatgroup@there.com</GroupID>
                </ScreenName>
              </Group>
            </Recipient>
            <Sender>
              <Group>
                <ScreenName>
```



```

        <SName>Wicked Vicky</SName>
        <GroupID>wv:john/chatgroup@there.com</GroupID>
    </ScreenName>
</Group>
</Sender>
<DateTime>20010925T1340Z</DateTime>
<Validity>600</Validity>
</MessageInfo>
<ContentData>Hi guys, just arrived... How is it going?
</ContentData>
</GetMessage-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.28.3 MessageDelivered primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <MessageDelivered>
          <MessageID>0x0000f132</MessageID>
        </MessageDelivered>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.28.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>

```

```

    <Result>
      <Code>200</Code>
      <Description>Successfully completed.</Description>
    </Result>
  </Status>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.29 Delivering a message (push method) transaction

### 7.29.1 NewMessage primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <NewMessage>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>41</ContentSize>
            <Recipient>
              <Group>
                <ScreenName>
                  <SName>Johnnie</SName>
                  <GroupID>wv:john/chatgroup@there.com</GroupID>
                </ScreenName>
              </Group>
            </Recipient>
            <Sender>
              <Group>
                <ScreenName>
                  <SName>Wicked Vicky</SName>
                  <GroupID>wv:john/chatgroup@there.com</GroupID>
                </ScreenName>
              </Group>
            </Sender>
            <DateTime>20010925T1340Z</DateTime>
            <Validity>600</Validity>
          </MessageInfo>
          <ContentData>Hi guys, just arrived... How is it going?
        </ContentData>
      </NewMessage>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

```

    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.29.2 MessageDelivered primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <MessageDelivered>
          <MessageID>0x0000f132</MessageID>
        </MessageDelivered>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.30 Delivery Report transaction

### 7.30.1 DeliveryReport-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <DeliveryReport-Request>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
          <DeliveryTime>20010925T1341Z</DeliveryTime>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
          </MessageInfo>
        </DeliveryReport-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    <ContentEncoding>None</ContentEncoding>
    <ContentSize>41</ContentSize>
    <Recipient>
      <Group>
        <ScreenName>
          <SName>B. Billy</SName>
          <GroupID>wv:/happy@hippie.com</GroupID>
        </ScreenName>
      </Group>
    </Recipient>
    <Sender>
      <Group>
        <ScreenName>
          <SName>Johnnie</SName>
          <GroupID>wv:/happy@hippie.com</GroupID>
        </ScreenName>
      </Group>
    </Sender>
    <DateTime>20010925T1340Z</DateTime>
    <Validity>600</Validity>
  </MessageInfo>
</DeliveryReport-Request>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.30.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.31 Forward undelivered message transaction

### 7.31.1 ForwardMessage-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ForwardMessage-Request>
          <MessageID>0x0000f132</MessageID>
          <Recipient>
            <Group>
              <ScreenName>
                <SName>B. Billy</SName>
                <GroupID>wv:/happy@hippie.com</GroupID>
              </ScreenName>
            </Group>
          </Recipient>
        </ForwardMessage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.31.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

```

    </Session>
</WV-CSP-Message>

```

## 7.32 Get blocked user list transaction

### 7.32.1 GetBlockedList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetBlockedList-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.32.2 GetBlockedList-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetBlockedList-Response>
          <BlockList>
            <InUse>F</InUse>
            <EntityList>
              <UserID>wv:he@there.com</UserID>
              <UserID>wv:she@there.com</UserID>
              <ScreenName>
                <SName>Billyboy</SName>
                <GroupID>wv:john/chatgroup@there.com</GroupID>
              </ScreenName>
              <GroupID>wv:/boringlist@server.com</GroupID>
            </EntityList>
          </BlockList>
          <GrantList>

```

```

    <InUse>T</InUse>
    <EntityList>
      <UserID>wv:matthias@salamander.com</UserID>
      <UserID>wv:francisco@don.com</UserID>
      <ScreenName>
        <SName>WV</SName>
        <GroupID>wv:john/chatgroup@there.com</GroupID>
      </ScreenName>
      <GroupID>wv:/wireless@village.com</GroupID>
    </EntityList>
  </GrantList>
</GetBlockedList-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.33 Block entity transaction

### 7.33.1 BlockEntity-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <BlockEntity-Request>
          <BlockList>
            <InUse>T</InUse>
            <AddList/>
            <RemoveList>
              <UserID>wv:matthias@salamander.com</UserID>
            </RemoveList>
          </BlockList>
          <GrantList>
            <InUse>T</InUse>
            <AddList>
              <UserID>wv:matthias@salamander.com</UserID>
            </AddList>
            <RemoveList/>
          </GrantList>
        </BlockEntity-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.33.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>
```

## 7.34 Get list of contact list(s) transaction

### 7.34.1 GetList-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetList-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

### 7.34.2 GetList-Response primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
```



```

    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <GetList-Response>
        <ContactList>wv:john/My_friends@smith.com</ContactList>
        <ContactList>wv:john/My_family@smith.com</ContactList>
        <ContactList>wv:john/My_colleagues@smith.com
        </ContactList>
        <ContactList>wv:john/The_WV@smith.com
        </ContactList>
        <DefaultContactList>wv:john/My_enemies@smith.com
        </DefaultContactList>
      </GetList-Response>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.35 Create contact list transaction

### 7.35.1 CreateList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <CreateList-Request>
          <ContactList>wv:john/My_friends@smith.com</ContactList>
          <NickList>
            <NickName>
              <Name>Brainstorm</Name>
              <UserID>wv:bright@dark.com</UserID>
            </NickName>
            <NickName>
              <Name>Randall the Vandal</Name>
              <UserID>wv:randall@fairlane.com</UserID>
            </NickName>
          </NickList>
          <ContactListProperties>
            <Property>

```

```

        <Name>DisplayName</Name>
        <Value>My friends</Value>
    </Property>
    <Property>
        <Name>Default</Name>
        <Value>F</Value>
    </Property>
    </ContactListProperties>
</CreateList-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.35.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.36 Delete contact list transaction

### 7.36.1 DeleteList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <DeleteList-Request>
        <ContactList>wv:john/My_enemies@smith.com</ContactList>
      </DeleteList-Request>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

## 7.36.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.37 Retrieve contact list transaction

### 7.37.1 ListManage-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">

```

```

    <ListManage-Request>
      <ContactList>wv:john/My_friends@smith.com</ContactList>
      <ReceiveList>T</ReceiveList>
    </ListManage-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.37.2 ListManage-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ListManage-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <NickList>
            <NickName>
              <Name>Brainstrom</Name>
              <UserID>wv:bright@dark.com</UserID>
            </NickName>
            <NickName>
              <Name>Randall the Vandal</Name>
              <UserID>wv:randall@fairlane.com</UserID>
            </NickName>
            <NickName>
              <Name>JLo</Name>
              <UserID>wv:jenny@logic.com</UserID>
            </NickName>
            <NickName>
              <Name>Ex</Name>
              <UserID>wv:ex@wife.com</UserID>
            </NickName>
          </NickList>
          <ContactListProperties>
            <Property>
              <Name>DisplayName</Name>
              <Value>My friends</Value>
            </Property>
            <Property>
              <Name>Default</Name>
              <Value>F</Value>
            </Property>
          </ContactListProperties>

```

```

    </ListManage-Response>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.38 Add users to contact list transaction

### 7.38.1 ListManage-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ListManage-Request>
          <ContactList>wv:john/My_friends@smith.com</ContactList>
          <AddNickList>
            <NickName>
              <Name>Randall the Vandal</Name>
              <UserID>wv:randall@fairlane.com</UserID>
            </NickName>
            <NickName>
              <Name>JLo</Name>
              <UserID>wv:jenny@logic.com</UserID>
            </NickName>
          </AddNickList>
          <ReceiveList>T</ReceiveList>
        </ListManage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.38.2 ListManage-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>

```

```

    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <ListManage-Response>
      <Result>
        <Code>200</Code>
      </Result>
      <NickList>
        <NickName>
          <Name>Randall the Vandal</Name>
          <UserID>wv:randall@fairlane.com</UserID>
        </NickName>
        <NickName>
          <Name>JLo</Name>
          <UserID>wv:jenny@logic.com</UserID>
        </NickName>
      </NickList>
    </ListManage-Response>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.39 Remove users from contact list transaction

### 7.39.1 ListManage-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ListManage-Request>
          <ContactList>wv:john/My_friends@smith.com</ContactList>
          <RemoveNickList>
            <UserID>wv:randall@fairlane.com</UserID>
            <UserID>wv:jenny@logic.com</UserID>
          </RemoveNickList>
          <ReceiveList>T</ReceiveList>
        </ListManage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.39.2 ListManage-Response primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ListManage-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <NickList/>
        </ListManage-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>
```

## 7.40 Modify properties of contact list transaction

### 7.40.1 ListManage-Request primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ListManage-Request>
          <ContactList>wv:john/My_friends@smith.com</ContactList>
          <ContactListProperties>
            <Property>
              <Name>DisplayName</Name>
              <Value>My enemies</Value>
            </Property>
            <Property>
              <Name>Default</Name>
              <Value>T</Value>
            </Property>
          </ContactListProperties>
        </ListManage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

```

        <ReceiveList>T</ReceiveList>
    </ListManage-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.40.2 ListManage-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <ListManage-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <ContactListProperties>
            <Property>
              <Name>DisplayName</Name>
              <Value>My enemies</Value>
            </Property>
            <Property>
              <Name>Default</Name>
              <Value>T</Value>
            </Property>
          </ContactListProperties>
        </ListManage-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.41 Create Attribute list transaction

### 7.41.1 CreateAttributeList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>

```



```

    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <CreateAttributeList-Request>
      <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
        <UserAvailability/>
        <StatusMood/>
      </PresenceSubList>
      <UserID>somebody@nowhere.com</UserID>
      <UserID>another_one@nowhere.com</UserID>
      <ContactList>wv:john/My_friends@smith.com</ContactList>
      <ContactList>wv:john/My_family@smith.com</ContactList>
      <DefaultList>T</DefaultList>
    </CreateAttributeList-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.41.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.42 Delete Attribute list transaction

### 7.42.1 DeleteAttributeList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>

```

```

<SessionDescriptor>
  <SessionType>Inband</SessionType>
  <SessionID>im.user.com#48815@server.com</SessionID>
</SessionDescriptor>
<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <DeleteAttributeList-Request>
      <UserID>somebody@nowhere.com</UserID>
      <UserID>another_one@nowhere.com</UserID>
      <ContactList>wv:john/My_friends@smith.com</ContactList>
      <ContactList>wv:john/My_family@smith.com</ContactList>
      <DefaultList>T</DefaultList>
    </DeleteAttributeList-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.42.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.43 Get Attribute list transaction

### 7.43.1 GetAttributeList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">

```

```

<Session>
  <SessionDescriptor>
    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Request</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <GetAttributeList-Request>
        <DefaultList>T</DefaultList>
      </GetAttributeList-Request>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

### 7.43.2 GetAttributeList-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetAttributeList-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <DefaultAttributeList>
            <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
              <UserAvailability/>
              <StatusMood/>
            </PresenceSubList>
          </DefaultAttributeList>
          <Presence>
            <UserID>somebody@nowhere.com</UserID>
            <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
              <OnlineStatus/>
              <UserAvailability/>
              <StatusText/>
              <StatusMood/>
            </PresenceSubList>
          </Presence>
        </Presence>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <UserID>another_one@nowhere.com</UserID>
        <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
            <UserAvailability/>
            <StatusMood/>
        </PresenceSubList>
    </Presence>
    <Presence>
        <ContactList>wv:john/My_friends@smith.com
    </ContactList>
    <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
        <UserAvailability/>
        <StatusMood/>
    </PresenceSubList>
    </Presence>
    <Presence>
        <ContactList>wv:john/My_family@smith.com</ContactList>
        <PresenceSubList xmlns="http://www.openmobilealliance.org/DTD/WV-
PA1.2">
            <UserAvailability/>
            <StatusMood/>
        </PresenceSubList>
    </Presence>
    </GetAttributeList-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.44 Create group transaction

### 7.44.1 CreateGroup-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
    <Session>
        <SessionDescriptor>
            <SessionType>Inband</SessionType>
            <SessionID>im.user.com#48815@server.com</SessionID>
        </SessionDescriptor>
        <Transaction>
            <TransactionDescriptor>
                <TransactionMode>Request</TransactionMode>
                <TransactionID>IMApp01#12345@NOK5110</TransactionID>
            </TransactionDescriptor>
            <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
                <CreateGroup-Request>
                    <GroupID>wv:john/partygroup@there.com</GroupID>
                    <GroupProperties>
                        <Property>
                            <Name>Name</Name>
                            <Value>Party discussion</Value>
                        </Property>
                        <Property>

```

```

        <Name>Accesstype</Name>
        <Value>Restricted</Value>
    </Property>
    <Property>
        <Name>PrivateMessaging</Name>
        <Value>F</Value>
    </Property>
    <Property>
        <Name>Searchable</Name>
        <Value>T</Value>
    </Property>
    <Property>
        <Name>Topic</Name>
        <Value>Party</Value>
    </Property>
    <Property>
        <Name>MaxActiveUsers</Name>
        <Value>30</Value>
    </Property>
    <Property>
        <Name>AutoDelete</Name>
        <Value>T</Value>
    </Property>
    <Property>
        <Name>Validity</Name>
        <Value>60</Value>
    </Property>
    <WelcomeNote>
        <ContentType>text/plain</ContentType>
        <ContentData>Welcome to WV's party house
    </ContentData>
    </WelcomeNote>
</GroupProperties>
<JoinGroup>T</JoinGroup>
<ScreenName>
    <SName>Jonhhie</SName>
    <GroupID>wv:john/partygroup@there.com </GroupID>
</ScreenName>
<SubscribeNotification>T</SubscribeNotification>
</CreateGroup-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.44.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>

```

```

    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <Status>
      <Result>
        <Code>200</Code>
        <Description>Successfully completed.</Description>
      </Result>
    </Status>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.45 Delete group transaction

### 7.45.1 DeleteGroup-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <DeleteGroup-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
        </DeleteGroup-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.45.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>

```

```

    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Status>
        <Result>
          <Code>200</Code>
          <Description>Successfully completed.</Description>
        </Result>
      </Status>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.46 Join group transaction

### 7.46.1 JoinGroup-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <JoinGroup-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <JoinedRequest>T</JoinedRequest>
          <SubscribeNotification>T</SubscribeNotification>
        </JoinGroup-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.46.2 JoinGroup-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>

```

```

    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <JoinGroup-Response>
        <UserMapList>
          <UserMapping>
            <Mapping>
              <SName>Johnny</SName>
            </Mapping>
            <Mapping>
              <SName>Don</SName>
            </Mapping>
            <Mapping>
              <SName>He</SName>
              <UserID>wv:he@there.com</UserID>
            </Mapping>
            <Mapping>
              <SName>She</SName>
              <UserID>wv:she@there.com</UserID>
            </Mapping>
          </UserMapping>
        </UserMapList>
        <WelcomeNote>
          <ContentType>text/plain</ContentType>
          <ContentData>Welcome to WV's party house</ContentData>
        </WelcomeNote>
      </JoinGroup-Response>
    </TransactionContent>
  </Transaction>
  <Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.47 User initiated leave group transaction

### 7.47.1 LeaveGroup-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <LeaveGroup-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
        </LeaveGroup-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```



## 7.47.2 LeaveGroup-Response primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <LeaveGroup-Response>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <Result>
            <Code>200</Code>
            <Description>Own request.</Description>
          </Result>
        </LeaveGroup-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>
```

## 7.48 Server initiated leave group transaction

### 7.48.1 LeaveGroup-Response primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <LeaveGroup-Response>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <Result>
            <Code>809</Code>
            <Description>You have been rejected from this group.
          </Description>
          </Result>
        </LeaveGroup-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

```

    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.48.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.49 Get group member list transaction

### 7.49.1 GetGroupMembers-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetGroupMembers-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
        </GetGroupMembers-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.49.2 GetGroupMembers-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetGroupMembers-Response>
          <Users>
            <UserList>
              <User><UserID>wv:he@there.com</UserID></User>
              <User><UserID>wv:she@there.com</UserID></User>
              <User><UserID>wv:john@smith.com</UserID></User>
              <User><UserID>wv:matthias@salamander.com</UserID></User>
              <User><UserID>wv:francisco@don.com</UserID></User>
            </UserList>
          </Users>
        </GetGroupMembers-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.50 Get joined users transaction

### 7.50.1 GetJoinedUsers-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetJoinedUsers-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
        </GetJoinedUsers-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.50.2 GetJoinedUsers-Response primitive (for an administrator)

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetJoinedUsers-Response>
          <AdminMapList>
            <AdminMapping>
              <Mapping>
                <SName>Johnny</SName>
                <UserID>wv:john@smith.com</UserID>
              </Mapping>
              <Mapping>
                <SName>Don</SName>
                <UserID>wv:francisco@don.com</UserID>
              </Mapping>
            </AdminMapping>
            <UserMapping>
              <Mapping>
                <SName>He</SName>
                <UserID>wv:he@there.com</UserID>
              </Mapping>
              <Mapping>
                <SName>She</SName>
                <UserID>wv:she@there.com</UserID>
              </Mapping>
            </UserMapping>
          </AdminMapList>
        </GetJoinedUsers-Response>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

### 7.50.3 GetJoinedUsers-Response primitive (for an ordinary user)

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>

```

```

    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <GetJoinedUsers-Response>
      <UserMapList>
        <UserMapping>
          <Mapping>
            <SName>Johnny</SName>
          </Mapping>
          <Mapping>
            <SName>Don</SName>
          </Mapping>
          <Mapping>
            <SName>He</SName>
            <UserID>wv:he@there.com</UserID>
          </Mapping>
          <Mapping>
            <SName>She</SName>
            <UserID>wv:she@there.com</UserID>
          </Mapping>
        </UserMapping>
      </UserMapList>
    </GetJoinedUsers-Response>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.51 Add group members to a group transaction

### 7.51.1 AddGroupMembers-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <AddGroupMembers-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <UserList>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
          </UserList>
        </AddGroupMembers-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    </Transaction>
  </Session>
</WV-CSP-Message>

```

## 7.51.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.52 Remove group members from a group transaction

### 7.52.1 RemoveGroupMembers-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <RemoveGroupMembers-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <UserList>
            <User>
              <UserID>wv:matthias@salamander.com</UserID>
            </User>
            <User><UserID>wv:john@smith.com</UserID></User>
          </UserList>
        </RemoveGroupMembers-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <User><UserID>wv:francisco@don.com</UserID></User>
        <User><UserID>wv:he@there.com</UserID></User>
        <User><UserID>wv:she@there.com</UserID></User>
    </UserList>
</RemoveGroupMembers-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.52.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.53 Changing access rights in a group transaction

### 7.53.1 MemberAccess-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <MemberAccess-Request>

```

```

    <GroupID>wv:john/partygroup@there.com</GroupID>
    <Admin>
      <UserList>
        <User><UserID>wv:john@smith.com</UserID></User>
        <User><UserID>wv:francisco@don.com</UserID></User>
      </UserList>
    </Admin>
    <Users>
      <UserList>
        <User>
          <UserID>wv:matthias@salamander.com</UserID>
        </User>
        <User><UserID>wv:he@there.com</UserID></User>
        <User><UserID>wv:she@there.com</UserID></User>
      </UserList>
    </Users>
  </MemberAccess-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.53.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.54 Modify group properties transaction

### 7.54.1 GetGroupProps-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>

```



```

<SessionDescriptor>
  <SessionType>Inband</SessionType>
  <SessionID>im.user.com#48815@server.com</SessionID>
</SessionDescriptor>
<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
    <GetGroupProps-Request>
      <GroupID>wv:john/partygroup@there.com</GroupID>
    </GetGroupProps-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

## 7.54.2 GetGroupProps-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GetGroupProps-Response>
          <GroupProperties>
            <Property>
              <Name>Name</Name>
              <Value>Party discussion</Value>
            </Property>
            <Property>
              <Name>Accesstype</Name>
              <Value>Restricted</Value>
            </Property>
            <Property>
              <Name>Type</Name>
              <Value>Private</Value>
            </Property>
            <Property>
              <Name>PrivateMessaging</Name>
              <Value>F</Value>
            </Property>
            <Property>
              <Name>Searchable</Name>
              <Value>T</Value>
            </Property>
            <Property>

```

```

        <Name>Topic</Name>
        <Value>Party</Value>
    </Property>
    <Property>
        <Name>ActiveUsers</Name>
        <Value>3</Value>
    </Property>
    <Property>
        <Name>MaxActiveUsers</Name>
        <Value>30</Value>
    </Property>
    <Property>
        <Name>AutoDelete</Name>
        <Value>T</Value>
    </Property>
    <Property>
        <Name>Validity</Name>
        <Value>60</Value>
    </Property>
    <WelcomeNote>
        <ContentType>text/plain</ContentType>
        <ContentData>Welcome to WV's party house</ContentData>
    </WelcomeNote>
</GroupProperties>
<OwnProperties>
    <Property>
        <Name>PrivateMessaging</Name>
        <Value>T</Value>
    </Property>
    <Property>
        <Name>IsMember</Name>
        <Value>T</Value>
    </Property>
    <Property>
        <Name>PrivilegeLevel</Name>
        <Value>Read</Value>
    </Property>
</OwnProperties>
</GetGroupProps-Response>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.54.3 SetGroupProps-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <SetGroupProps-Request>
        <GroupID>wv:john/partygroup@there.com</GroupID>
        <GroupProperties>
          <Property>
            <Name>Name</Name>
            <Value>Party house</Value>
          </Property>
          <Property>
            <Name>PrivateMessaging</Name>
            <Value>T</Value>
          </Property>
          <Property>
            <Name>MaxActiveUsers</Name>
            <Value>10</Value>
          </Property>
          <Property>
            <Name>AutoDelete</Name>
            <Value>F</Value>
          </Property>
          <Property>
            <Name>Validity</Name>
            <Value>0</Value>
          </Property>
          <WelcomeNote>
            <ContentType>text/plain</ContentType>
            <ContentData>Welcome! Be gentle!</ContentData>
          </WelcomeNote>
        </GroupProperties>
      </SetGroupProps-Request>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

#### 7.54.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>

```

```

    </Status>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.55 Reject user from group transaction

### 7.55.1 RejectList-Request primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <RejectList-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <AddList>
            <UserID>wv:he@there.com</UserID>
            <UserID>wv:she@there.com</UserID>
          </AddList>
          <RemoveList>
            <UserID>wv:john@smith.com</UserID>
            <UserID>wv:matthias@salamander.com</UserID>
          </RemoveList>
        </RejectList-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.55.2 RejectList-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">

```

```

    <RejectList-Response>
      <UserList>
        <User><UserID>wv:he@there.com</UserID></User>
        <User><UserID>wv:she@there.com</UserID></User>
      </UserList>
    </RejectList-Response>
  </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

## 7.56 Subscribe group change notification transaction

### 7.56.1 SubscribeGroupNotice-Request primitive (get)

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <SubscribeGroupNotice-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <SubscribeType>G</SubscribeType>
        </SubscribeGroupNotice-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.56.2 SubscribeGroupNotice-Response primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <SubscribeGroupNotice-Response>
          <Value>F</Value>

```

```

        </SubscribeGroupNotice-Response>
    </TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>

```

### 7.56.3 SubscribeGroupNotice-Request primitive (set)

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <SubscribeGroupNotice-Request>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <SubscribeType>S</SubscribeType>
        </SubscribeGroupNotice-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

### 7.56.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
  </Session>
</WV-CSP-Message>

```

## 7.56.5 GroupChangeNotice primitive

```

<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <GroupChangeNotice>
          <GroupID>wv:john/partygroup@there.com</GroupID>
          <Joined>
            <UserMapList>
              <UserMapping>
                <Mapping>
                  <SName>Johnny</SName>
                </Mapping>
                <Mapping>
                  <SName>Don</SName>
                </Mapping>
                <Mapping>
                  <SName>He</SName>
                  <UserID>wv:he@there.com</UserID>
                </Mapping>
                <Mapping>
                  <SName>She</SName>
                  <UserID>wv:she@there.com</UserID>
                </Mapping>
              </UserMapping>
            </UserMapList>
          </Joined>
          <Left>
            <UserList>
              <ScreenName>
                <SName>He</SName>
                <GroupID>wv:john/partygroup@there.com</GroupID>
              </ScreenName>
              <ScreenName>
                <SName>She</SName>
                <GroupID>wv:john/partygroup@there.com</GroupID>
              </ScreenName>
            </UserList>
          </Left>
          <OwnProperties>
            <Property>
              <Name>PrivilegeLevel</Name>
              <Value>Mod</Value>
            </Property>
          </OwnProperties>
        </GroupChangeNotice>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```
        </TransactionContent>
    </Transaction>
    <Poll>F</Poll>
</Session>
</WV-CSP-Message>
```

## 7.56.6 Status primitive

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```



## 8. Extension Framework

### 8.1 Extending Existing Primitives

The extended block is defined using the XML element “ExtBlock”. This element, which must be followed by a namespace attribute, may be added after the “TransactionContent” block, but still within the “Transaction” block. Note that more than one block may be added.

In the following example, an extended block is added to the Status primitive:

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
<Session>
  <SessionDescriptor>
    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12347@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
      <Status>
        <Result>
          <Code>200</Code>
        </Result>
      </Status>
    </TransactionContent>
    <ExtBlock xmlns="foo.com/V1.2">
      <!-- extended information can be added in this block -->
    </ExtBlock>
  </Transaction>
</Session>
</WV-CSP-Message>
```

### 8.2 Introducing New Primitives

New primitives used the “ExtendedRequest” and “ExtendedResponse” elements, for example:

```
<WV-CSP-Message xmlns="http://www.openmobilealliance.org/DTD/WV-CSP1.2">
<Session>
  <SessionDescriptor>
    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Request</TransactionMode>
      <TransactionID>IMApp01#12347@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.openmobilealliance.org/DTD/WV-
TRC1.2">
```

```
<Extended-Request xmlns="www.foo.com/V1.0">
  <SomeElement>
    <!--Primitive elements may be added here -->
  </SomeElement>
</Extended-Request>
</TransactionContent>
</Transaction>
<Poll>F</Poll>
</Session>
</WV-CSP-Message>
```

## 9. Static Conformance Requirements for Transport Bindings

The static conformance requirements for this specification is specified in [CSP SCR] and [SSP SCR].

## Appendix A. Change History

(Informative)

### A.1 Approved Version History

Reference	Date	Description
OMA-WV-CSP_DTD-V1_1-20021001-A	01 Oct 2002	Version 1.1
OMA-IMPS-WV-CSP-DTD-V1_2-20050125-A	25 Jan 2005	Version 1.2 Ref TP Doc# OMA-TP-2004-0457-IMPS-V1_2-for-final-approval