



**Presence Attributes  
DTD and Examples  
V1.0**

**WV Internal Tracking Number: WV-011**

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**1. REVISION HISTORY**

<b>Date</b>	<b>Issue</b>	<b>Description</b>	<b>Author</b>
February 13 <sup>th</sup>	TBD	Initial release	WV TechComm

## 2. REFERENCES

[WV-PA]

Wireless Village – Presence Attributes specification

[WV-CSP-DTD]

Wireless Village – Client Server Protocol, DTD and examples specification

### 3. INTRODUCTION

This document defines the DTDs for the presence attributes. The DTD for CSP transactions [WV-CSP-DTD] defines the terminator for presence information to be PresenceSublist. The PresenceSublist defined in this document contains all the presence attributes defined in [WV-PA] and is identified by the following namespace:

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
```

### 4. PRESENCESUBLIST

#### 4.1 Namespace definition

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT PresenceSublist (OnlineStatus?,Registration?, ClientInfo?, TimeZone?,
GeoLocation?,Address?,FreeTextLocation?,PLMN?,CommCap?,UserAvailability?,
PreferredContacts?,PreferredLanguage?,StatusText?, StatusMood?, Alias?,
StatusContent?, ContactInfo?)>

<!ELEMENT Qualifier (#PCDATA)>
<!ELEMENT PresenceValue (#PCDATA)>

<!ELEMENT OnlineStatus (Qualifier?, PresenceValue?)>
<!ELEMENT Registration (Qualifier?, PresenceValue?)>
<!ELEMENT FreeTextLocation (Qualifier?, PresenceValue?)>
<!ELEMENT PLMN (Qualifier?, PresenceValue?)>
<!ELEMENT UserAvailability (Qualifier?, PresenceValue?)>
<!ELEMENT PreferredLanguage (Qualifier?, PresenceValue?)>
<!ELEMENT StatusText (Qualifier?, PresenceValue?)>
<!ELEMENT StatusMood (Qualifier?, PresenceValue?)>
<!ELEMENT Alias (Qualifier?, PresenceValue?)>

<!ELEMENT ClientInfo (Qualifier?, ClientType?, DevManufacturer?,
ClientProducer?, Model?, ClientVersion?, Language?)>
<!ELEMENT ClientType (#PCDATA)>
<!ELEMENT DevManufacturer (#PCDATA)>
<!ELEMENT ClientProducer (#PCDATA)>
<!ELEMENT Model (#PCDATA)>
<!ELEMENT ClientVersion (#PCDATA)>
<!ELEMENT Language (#PCDATA)>
<!ELEMENT TimeZone (Qualifier?, Zone?)>
<!ELEMENT Zone (#PCDATA)>

<!ELEMENT GeoLocation (Qualifier?, Longitude?, Latitude?, Altitude?, Accuracy?)>
<!ELEMENT Longitude (#PCDATA)>
<!ELEMENT Latitude (#PCDATA)>
<!ELEMENT Altitude (#PCDATA)>
<!ELEMENT Accuracy (#PCDATA)>

<!ELEMENT Address (Qualifier?, Country?, City?, Street?, Crossing1?, Crossing2?,
Building?, NamedArea?, Accuracy?)>
<!ELEMENT Country (#PCDATA)>
<!ELEMENT City (#PCDATA)>
<!ELEMENT Street (#PCDATA)>
<!ELEMENT Crossing1 (#PCDATA)>
<!ELEMENT Crossing2 (#PCDATA)>
<!ELEMENT Building (#PCDATA)>
```

```
<!ELEMENT NamedArea (#PCDATA)>

<!ELEMENT CommCap (Qualifier?, CommC*)>
<!ELEMENT CommC (#PCDATA)>

<!ELEMENT PreferredContacts (Qualifier?, AddrPref*)>
<!ELEMENT AddrPref (PrefC,Caddr)>
<!ELEMENT PrefC (#PCDATA)>
<!ELEMENT Caddr (#PCDATA)>

<!ELEMENT StatusContent (Qualifier?, DirectContent?, ReferredContent?)>
<!ELEMENT DirectContent (#PCDATA)>
<!ELEMENT ReferredContent (#PCDATA)>

<!ELEMENT ContactInfo (Qualifier?, ContainedvCard?, ReferredvCard?)>
<!ELEMENT ContainedvCard (#PCDATA)>
<!ELEMENT ReferredvCard (#PCDATA)>
```

## 4.2 Examples for presence information

### 4.2.1 Using PresenceSubList as reference to presence attributes

All the attributes have semantics defined the way that allows an empty value. Therefore it is possible to create a list, which contains the names of the attributes only. This type of list can be used for attribute referencing when requesting/subscribing presence attributes.

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <OnlineStatus/>
  <Registration/>
  <ClientInfo/>
  <TimeZone/>
  <GeoLocation/>
  <Address/>
  <FreeTextLocation/>
  <PLMN/>
  <CommCap/>
  <UserAvailability/>
  <PreferredContacts/>
  <PreferredLanguage/>
  <StatusText/>
  <StatusMood/>
  <Alias/>
  <StatusContent/>
  <ContactInfo/>
</PresenceSubList>
```

### 4.2.2 OnlineStatus

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <OnlineStatus>
    <Qualifier>T</Qualifier>
    <PresenceValue>T</PresenceValue>
  </OnlineStatus>
</PresenceSubList>
```

### 4.2.3 Registration

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <Registration>
    <Qualifier>T</Qualifier>
    <PresenceValue>T</PresenceValue>
  </Registration>
</PresenceSubList>
```

#### 4.2.4 ClientInfo

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <ClientInfo>
    <Qualifier>T</Qualifier>
    <ClientType>MOBILE PHONE</ClientType>
    <DevManufacturer>ABC Company</DevManufacturer>
    <Model>xyz200</Model>
    <Language>fin</Language>
  </ClientInfo>
</PresenceSubList>
```

#### 4.2.5 TimeZone

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <TimeZone>
    <Qualifier>T</Qualifier>
    <Zone>+02</Zone>
  </TimeZone>
</PresenceSubList>
```

#### 4.2.6 GeoLocation

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <GeoLocation>
    <Qualifier>T</Qualifier>
    <Longitude>35 24 15.652W</Longitude>
    <Latitude>12 36 22.5N</Latitude>
    <Accuracy>200</Accuracy>
  </GeoLocation>
</PresenceSubList>
```

#### 4.2.7 Address

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <Address>
    <Qualifier>T</Qualifier>
    <Country>GB</Country>
    <City>London</City>
  </Address>
</PresenceSubList>
```

#### 4.2.8 FreeTextLocation

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <FreeTextLocation>
```



```
    <Qualifier>T</Qualifier>
    <PresenceValue>At home</PresenceValue>
  </FreeTextLocation>
</PresenceSubList>
```

#### 4.2.9 PLMN

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <PLMN>
    <Qualifier>T</Qualifier>
    <PresenceValue>Sonera</PresenceValue>
  </PLMN>
</PresenceSubList>
```

#### 4.2.10 CommCap

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <CommCap>
    <Qualifier>T</Qualifier>
    <CommC>AUDIO_CALL</CommC>
    <CommC>SMS</CommC>
    <CommC>MMS</CommC>
    <CommC>IM_ONLINE</CommC>
    <CommC>EMAIL</CommC>
  </CommCap>
</PresenceSubList>
```

#### 4.2.11 UserAvailability

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <UserAvailability>
    <Qualifier>T</Qualifier>
    <PresenceValue>AVAILABLE</PresenceValue>
  </UserAvailability>
</PresenceSubList>
```

#### 4.2.12 PreferredContacts

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <PreferredContacts>
    <Qualifier>T</Qualifier>
    <AddrPrefC>
      <PrefC>CALL</PrefC>
      <Caddr>+35804123123</Caddr>
    </AddrPrefC>
    <AddrPrefC>
      <PrefC>SMS</PrefC>
      <Caddr>+35804123123</Caddr>
    </AddrPrefC>
    <AddrPrefC>
      <PrefC>IM</PrefC>
      <Caddr>ari@im.com</Caddr>
    </AddrPrefC>
  </PreferredContacts>
</PresenceSubList>
```

#### 4.2.13 PreferredLanguage

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <PreferredLanguage>
    <Qualifier>T</Qualifier>
    <PresenceValue>fin</PresenceValue>
  </PreferredLanguage>
</PresenceSubList>
```

#### 4.2.14 StatusText

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <StatusText>
    <Qualifier>T</Qualifier>
    <PresenceValue>Busy editing a document</PresenceValue>
  </StatusText>
</PresenceSubList>
```

#### 4.2.15 StatusMood

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <StatusMood>
    <Qualifier>T</Qualifier>
    <PresenceValue>SLEEPY</PresenceValue>
  </StatusMood>
</PresenceSubList>
```

#### 4.2.16 Alias

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <Alias>
    <Qualifier>T</Qualifier>
    <PresenceValue>ASa</PresenceValue>
  </Alias>
</PresenceSubList>
```

#### 4.2.17 StatusContent

##### 4.2.17.1 Referred

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <StatusContent>
    <Qualifier>T</Qualifier>
    <ReferredContent>http://www.foo.com/MMS/Pictures/MyLogo</ReferredContent>
  </StatusContent>
</PresenceSubList>
```

##### 4.2.17.2 Direct

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <StatusContent>
    <Qualifier>T</Qualifier>
```

```
<DirectContent>BASE64EncodedDataHere</DirectContent>
</StatusContent>
</PresenceSubList>
```

## 4.2.18 ContactInfo

### 4.2.18.1 Referred

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <ContactInfo>
    <Qualifier>T</Qualifier>
    <ReferredvCard>http://www.foo.com/Contacts/vCards/MyCard</ReferredvCard>
  </ContactInfo>
</PresenceSubList>
```

### 4.2.18.2 Contained

```
<PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
  <ContactInfo>
    <Qualifier>T</Qualifier>
    <ContainedvCard>vCardDataHere</ContainedvCard>
  </ContactInfo>
</PresenceSubList>
```

## 4.3 Extending the WV DTD

In future versions of the [WV-PA] new attributes may be introduced or old ones may be modified. Following principles in the DTD definition should be observed:

- Attributes that remain unmodified are to be kept in the original namespace.
- Modified and new attributes are defined by a new namespace (for PresenceSubList).
- The namespace itself (for PresenceSublist) refers to the [WV-PA] version where these attributes are defined.

## 5. EXTENDED PRESENCE INFORMATION

The stakeholder defining an extension attribute also defines the namespace for the PresenceSubList. The stakeholder must define the format of each basic type. The namespace for the PresenceSubList is defined by the stakeholder and must be unique.