



OpenTravel Alliance Message Specifications –Version 1

Volume 2. Appendices

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OpenTravel Alliance provides this draft specification for a public comment period ending 31 March 2000. Please send comments by e-mail to OTAccomments@disa.org or by mail or fax to the addresses given above.

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1 Document Type Definitions (DTDs)

1.1 OTA version 1 DTD

```

<!-->
<!-->
<!-->
<!-->
<!-->
<!--OpenTravel Alliance version 1 specification, 28 February 2000, OTA_v1.dtd-->
<!-->
<!--Copyright 2000 OpenTravel Alliance-->
<!-->
<!--Entity declarations-->
<!ENTITY % Ent.v1.NotEmptyAttribute "CDATA #REQUIRED">

<!ENTITY % Ent.v1.NotEmptyElementData "#PCDATA">

<!ENTITY % Ent.v1.Privacy " ShareSynchInd (Yes | No | Inherit ) 'Inherit'
                          ShareMarketInd (Yes | No | Inherit ) 'Inherit' ">

<!ENTITY % Ent.v1.CompanyId "v1.CompanyCode">

<!ENTITY % Ent.v1.Telephone "v1.Telephone">

<!ENTITY % Ent.v1.PersonName "v1.PersonName">

<!ENTITY % Ent.v1.Address "v1.Address">

<!ENTITY % Ent.v1.UniqueId "v1.UniqueId">

<!ENTITY % Ent.v1.Repeating " BefDynSeq CDATA #IMPLIED
                          AftDynSeq CDATA #IMPLIED
                          DynSeq CDATA #IMPLIED ">

<!ENTITY % Ent.v1.HasRepeating " AllChildElements (Yes | No ) #IMPLIED">

<!-->
<!-->
<!-->
<!--Root tag, main control, content, and versioned error elements
-->
<!ELEMENT OTA_v1 ( (v1.Control? , (v1.Content | v1.EncryptedContent ) ) |
v1.StandardError )>
<!ATTLIST OTA_v1 Timestamp CDATA #IMPLIED
                  EchoToken CDATA #IMPLIED
                  Target CDATA 'Production'
                  GeoCode CDATA #IMPLIED >
<!ELEMENT v1.Control (v1.Session | v1.SendBy )>

<!ELEMENT v1.Content (v1.CustProfileCreatorQ | v1.CustProfileCreators |
v1.CustProfileReadAllRQ | v1.CustProfileReadAllRS | v1.CustProfileUpdaterQ |
v1.CustProfileUpdaterRS | v1.CustProfileDeleterQ | v1.CustProfileDeleterRS |
v1.AuthenticationRQ | v1.AuthenticationRS | v1.ReAuthenticationRQ |
v1.ReAuthenticationRS | v1.UnAuthenticationRQ | v1.UnAuthenticationRS )>

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<!ELEMENT v1.StandardError  (#PCDATA )>
<!ATTLIST v1.StandardError  ErrType (Unknown |
                                     NoImplementation |
                                     BizRule |
                                     Authentication |
                                     AuthenticationTimeout |
                                     Authorization |
                                     ProtocolViolation |
                                     TransactionModel |
                                     AuthenticationModel |
                                     ReqFieldMissing ) #REQUIRED
                                     DocURL CDATA #IMPLIED
                                     Status CDATA #IMPLIED >
<!ELEMENT v1.Session  (v1.Credential* , v1.Principal* )>
<!ATTLIST v1.Session  Identity CDATA #REQUIRED
                                     URI CDATA #IMPLIED >
<!ELEMENT v1.SendBy  (v1.Credential? )>
<!ATTLIST v1.SendBy  Identity CDATA #REQUIRED
                                     URI CDATA #IMPLIED >
<!--Security-related elements
-->
<!ELEMENT v1.EncryptedContent  (v1.Block+ )>
<!ATTLIST v1.EncryptedContent  Method CDATA #REQUIRED >
<!ELEMENT v1.Principal  (v1.Credential* )>
<!ATTLIST v1.Principal  Identity CDATA #REQUIRED
                                     URI CDATA #IMPLIED >
<!ELEMENT v1.Credential  (#PCDATA )>
<!ATTLIST v1.Credential  Method CDATA #REQUIRED >
<!ELEMENT v1.Block  (#PCDATA )>

<!--Main verb elements-->
<!ELEMENT v1.CustProfileCreatorRQ  (v1.UniqueId? , v1.CustProfile )>

<!ELEMENT v1.CustProfileCreators  (%Ent.v1.UniqueId; , v1.CustProfile? )>
<!ATTLIST v1.CustProfileCreators  Success (Yes | No | Part ) 'Yes' >
<!ELEMENT v1.CustProfileReadAllRQ  (%Ent.v1.UniqueId; )>

<!ELEMENT v1.CustProfileReadAllRS  (%Ent.v1.UniqueId; , v1.CustProfile )>
<!ATTLIST v1.CustProfileReadAllRS  Success (Yes | No | Part ) 'Yes' >
<!ELEMENT v1.CustProfileUpdaterRQ  (%Ent.v1.UniqueId; , v1.Verify? , ( (v1.Remove
, v1.Set? , v1.Insert? , v1.Add? ) | (v1.Set , v1.Insert? , v1.Add? ) |
(v1.Insert , v1.Add? ) | (v1.Add ) ) )>

<!ELEMENT v1.CustProfileUpdaterRS  (%Ent.v1.UniqueId; , v1.CustProfile )>
<!ATTLIST v1.CustProfileUpdaterRS  Success (Yes | No | Part ) 'Yes' >
<!ELEMENT v1.CustProfileDeleterRQ  (%Ent.v1.UniqueId; , v1.Verify? )>

<!ELEMENT v1.CustProfileDeleterRS  (%Ent.v1.UniqueId; )>
<!ATTLIST v1.CustProfileDeleterRS  Success (Yes | No | Part ) 'Yes' >
<!--Authentication elements
-->
<!ELEMENT v1.AuthenticationRQ  (v1.Principal )>

<!ELEMENT v1.AuthenticationRS  (#PCDATA )>

<!ELEMENT v1.ReAuthenticationRQ  EMPTY>

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<!ELEMENT v1.ReAuthenticationRS (#PCDATA )>

<!ELEMENT v1.UnAuthenticationRQ EMPTY>

<!ELEMENT v1.UnAuthenticationRS (#PCDATA )>

<!--Sub-action verb elements-->
<!ELEMENT v1.Verify (v1.CustProfile )>

<!ELEMENT v1.Add (v1.CustProfile )>

<!ELEMENT v1.Set (v1.CustProfile )>

<!ELEMENT v1.Insert (v1.CustProfile )>

<!ELEMENT v1.Remove (v1.CustProfile )>

<!--Business content elements begin-->
<!ELEMENT v1.CustProfile (v1.Accesses? , v1.Customer , v1.Preferences? ,
v1.Affiliation* )>
<!ATTLIST v1.CustProfile  ShareAllMarketInd (Yes | No ) 'No'
                          ShareAllSynchInd (Yes | No ) 'No'
                          %Ent.v1.HasRepeating; >

<!--Recent access history-->
<!ELEMENT v1.Accesses (v1.Access.PersonName? , v1.Access.LastAction? ,
v1.Access.Comment* )>
<!ATTLIST v1.Accesses  %Ent.v1.HasRepeating;
                    %Ent.v1.Privacy;
                    CreateDate CDATA #IMPLIED
                    CreateTime CDATA #IMPLIED >

<!ELEMENT v1.Access.LastAction EMPTY>
<!ATTLIST v1.Access.LastAction  Action (Create | ReadAll | Update |
Delete ) #IMPLIED
                                LastActionDate CDATA #IMPLIED
                                LastActionTime CDATA #IMPLIED
                                ActionSystemId CDATA #IMPLIED >

<!ELEMENT v1.Access.PersonName (%Ent.v1.PersonName; )>
<!ATTLIST v1.Access.PersonName %Ent.v1.HasRepeating; >
<!ELEMENT v1.Access.Comment (#PCDATA )>
<!ATTLIST v1.Access.Comment %Ent.v1.Repeating; >
<!-->
<!--Main profile elements-->
<!-->
<!ELEMENT v1.Customer ( ( (v1.Cust.PersonName+ , v1.Cust.Telephone* ,
v1.Cust.Email* ) | (v1.Cust.Telephone+ , v1.Cust.Email* ) | (v1.Cust.Email+ ) )
, v1.Cust.Address* , v1.Cust.CitizenCountryCode* , v1.Cust.PhysChallName* ,
v1.Cust.CurrencyCode? , v1.Cust.PetInfo* , v1.Cust.URL* , v1.Cust.PaymentForm* ,
v1.Cust.RelatedTraveler* , v1.Cust.EmergencyContact* , v1.Cust.Document* ,
v1.Cust.Loyalty* )>
<!ATTLIST v1.Customer  Gender (Male | Female ) #IMPLIED
                        Deceased (Yes | No ) #IMPLIED
                        LockoutType CDATA #IMPLIED
                        %Ent.v1.HasRepeating;
                        %Ent.v1.Privacy;
                        BirthDate CDATA #IMPLIED >

<!ELEMENT v1.Preferences (v1.Pref.Collection* )>

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<!ATTLIST v1.Preferences    %Ent.v1.Privacy;
                           %Ent.v1.HasRepeating; >
<!ELEMENT v1.Affiliation    (v1.Aff.Organization* , v1.Aff.Employer* ,
v1.Aff.Insurance* , v1.Aff.TravelArranger* , v1.Aff.TravelClub* )>
<!ATTLIST v1.Affiliation    %Ent.v1.Repeating;
                           %Ent.v1.HasRepeating;
                           %Ent.v1.Privacy; >

<!-->
<!--Basic customer identity, financial, and reference data-->
<!-->
<!ELEMENT v1.Cust.PersonName    (%Ent.v1.PersonName; )>
<!ATTLIST v1.Cust.PersonName    NameType                CDATA    #IMPLIED
                                DefaultInd                (Yes | No )    #IMPLIED
                                %Ent.v1.Privacy;
                                %Ent.v1.HasRepeating;
                                %Ent.v1.Repeating;
                                ValidRepeatInd            (Yes | No )    #IMPLIED >
<!ELEMENT v1.Cust.Address    (%Ent.v1.Address; )>
<!ATTLIST v1.Cust.Address    AddressType                (Delivery |
                                                         Mailing |
                                                         Billing |
                                                         CreditCard )    #IMPLIED
                                DefaultInd                (Yes | No )    #IMPLIED
                                %Ent.v1.Privacy;
                                %Ent.v1.HasRepeating;
                                %Ent.v1.Repeating;
                                ContactType                CDATA    #IMPLIED >
<!ELEMENT v1.Cust.Telephone    (%Ent.v1.Telephone; )>
<!ATTLIST v1.Cust.Telephone    DefaultInd                (Yes | No )    #IMPLIED
                                PhoneTech                CDATA    #IMPLIED
                                PhoneUse                 CDATA    #IMPLIED
                                %Ent.v1.Privacy;
                                %Ent.v1.HasRepeating;
                                %Ent.v1.Repeating;
                                ContactType                CDATA    #IMPLIED
                                ValidRepeatInd            (Yes | No )    #IMPLIED >
<!ELEMENT v1.Cust.CitizenCountryCode    (#PCDATA )>
<!ATTLIST v1.Cust.CitizenCountryCode    DefaultInd                (Yes | No )    #IMPLIED
                                         %Ent.v1.Repeating; >
<!ELEMENT v1.Cust.PhysChallName    (#PCDATA )>
<!ATTLIST v1.Cust.PhysChallName    %Ent.v1.Repeating; >
<!ELEMENT v1.Cust.CurrencyCode    (#PCDATA )>

<!ELEMENT v1.Cust.PetInfo    (#PCDATA )>
<!ATTLIST v1.Cust.PetInfo    %Ent.v1.Repeating; >
<!ELEMENT v1.Cust.Email    (#PCDATA )>
<!ATTLIST v1.Cust.Email    DefaultInd                (Yes | No )    #IMPLIED
                            %Ent.v1.Repeating;
                            EmailReferName            CDATA    #IMPLIED
                            ValidRepeatInd            (Yes | No )    #IMPLIED >
<!ELEMENT v1.Cust.URL    (#PCDATA )>
<!ATTLIST v1.Cust.URL    DefaultInd                (Yes | No )    #IMPLIED
                        %Ent.v1.Repeating; >
<!ELEMENT v1.Cust.PaymentForm    (v1.Cust.Pay.CreditCard* , v1.Cust.Pay.BankAcct* ,
v1.Cust.Pay.DirectBill* )>
<!ATTLIST v1.Cust.PaymentForm    %Ent.v1.Repeating;
                                %Ent.v1.HasRepeating;

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                                %Ent.v1.Privacy; >
<!ELEMENT v1.Cust.Pay.CreditCard (v1.Cust.Pay.Card.Number ,
v1.Cust.Pay.Card.ExpiryDate , v1.Cust.Pay.Card.PersonName? ,
v1.Cust.Pay.Card.UserDefinName? , v1.Cust.Pay.Card.IssueCompName? ,
v1.Cust.Pay.Card.SeriesCode? , v1.Cust.Pay.Card.Address? )>
<!ATTLIST v1.Cust.Pay.CreditCard CardType          (Credit | Debit | CentralBill
) #IMPLIED

                                PayFormReferName CDATA #IMPLIED
                                %Ent.v1.Repeating;
                                %Ent.v1.Privacy;
                                PreferLevel          (Only | Unacceptable )
#IMPLIED

                                CodeContext          CDATA #IMPLIED
                                DefaultInd           (Yes | No ) #IMPLIED >
<!ELEMENT v1.Cust.Pay.Card.Number (#PCDATA )>

<!ELEMENT v1.Cust.Pay.Card.ExpiryDate (#PCDATA )>

<!ELEMENT v1.Cust.Pay.Card.PersonName (#PCDATA )>

<!ELEMENT v1.Cust.Pay.Card.UserDefinName (#PCDATA )>

<!ELEMENT v1.Cust.Pay.Card.IssueCompName (#PCDATA )>

<!ELEMENT v1.Cust.Pay.Card.SeriesCode (#PCDATA )>

<!ELEMENT v1.Cust.Pay.Card.Address (%Ent.v1.Address; )>

<!ELEMENT v1.Cust.Pay.BankAcct (v1.Cust.Pay.Bank.PersonName* ,
v1.Cust.Pay.Bank.AcctNumber )>
<!ATTLIST v1.Cust.Pay.BankAcct AcctType          CDATA #IMPLIED
                                %Ent.v1.HasRepeating;
                                PayFormReferName CDATA #IMPLIED
                                %Ent.v1.Privacy;
                                %Ent.v1.Repeating;
                                PreferLevel          (Only | Unacceptable )
#IMPLIED

                                DefaultInd           (Yes | No ) #IMPLIED >
<!ELEMENT v1.Cust.Pay.DirectBill (v1.Cust.Pay.Direct.CompanyName ,
v1.Cust.Pay.Direct.Address )>
<!ATTLIST v1.Cust.Pay.DirectBill DirectBill_Id    CDATA #REQUIRED
                                PayFormReferName CDATA #IMPLIED
                                %Ent.v1.Privacy;
                                %Ent.v1.Repeating;
                                PreferLevel          (Only | Unacceptable )
#IMPLIED

                                DefaultInd           (Yes | No ) #IMPLIED >
<!ELEMENT v1.Cust.Pay.Direct.CompanyName (#PCDATA )>

<!ELEMENT v1.Cust.Pay.Direct.Address (%Ent.v1.Address; )>

<!ELEMENT v1.Cust.Pay.Bank.PersonName (%Ent.v1.PersonName; )>
<!ATTLIST v1.Cust.Pay.Bank.PersonName %Ent.v1.Repeating; >
<!ELEMENT v1.Cust.Pay.Bank.AcctNumber (#PCDATA )>

<!ELEMENT v1.Cust.RelatedTraveler (%Ent.v1.UniqueId; ,
v1.Cust.Related.PersonName? )>

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<!--ATTLIST v1.Cust.RelatedTraveler  %Ent.v1.Privacy;
                                     %Ent.v1.HasRepeating;
                                     %Ent.v1.Repeating;
                                     RelatedServerId      CDATA  #IMPLIED
                                     Relation              CDATA  #IMPLIED >
<!--ELEMENT v1.Cust.EmergencyContact  (v1.Cust.Contact.PersonName? ,
v1.Cust.Contact.Phone* , v1.Cust.Contact.Addr* )>
<!--ATTLIST v1.Cust.EmergencyContact  DefaultInd          (Yes | No )  #IMPLIED
                                     %Ent.v1.Privacy;
                                     %Ent.v1.HasRepeating;
                                     %Ent.v1.Repeating;
                                     Relation              CDATA  #IMPLIED
                                     Email                 CDATA  #IMPLIED
                                     URL                   CDATA  #IMPLIED >
<!--ELEMENT v1.Cust.Document  (v1.Cust.Doc.PersonName? , v1.Cust.Doc.Id ,
v1.Cust.Doc.IssueAuthority? , v1.Cust.Doc.IssueLocation? )>
<!--ATTLIST v1.Cust.Document  Gender          (Male | Female )  #IMPLIED
                                     %Ent.v1.Privacy;
                                     %Ent.v1.Repeating;
                                     DocType         CDATA  #IMPLIED
                                     BirthDate      CDATA  #IMPLIED
                                     EffectDate     CDATA  #IMPLIED
                                     ExpiryDate     CDATA  #IMPLIED >
<!--ELEMENT v1.Cust.Related.PersonName  (%Ent.v1.PersonName; )>
<!--ATTLIST v1.Cust.Related.PersonName  %Ent.v1.HasRepeating;
                                     NameType      CDATA  #IMPLIED >
<!--ELEMENT v1.Cust.Contact.PersonName  (%Ent.v1.PersonName; )>
<!--ATTLIST v1.Cust.Contact.PersonName  %Ent.v1.HasRepeating;
                                     Relation      CDATA  #IMPLIED >
<!--ELEMENT v1.Cust.Contact.Phone  (%Ent.v1.Telephone; )>
<!--ATTLIST v1.Cust.Contact.Phone  PhoneTech      CDATA  #IMPLIED
                                     PhoneUse       CDATA  #IMPLIED
                                     %Ent.v1.Repeating;
                                     %Ent.v1.HasRepeating; >
<!--ELEMENT v1.Cust.Contact.Addr  (%Ent.v1.Address; )>
<!--ATTLIST v1.Cust.Contact.Addr  AddressType     (Delivery |
                                                    Mailing |
                                                    Billing |
                                                    CreditCard )  #IMPLIED
                                     %Ent.v1.HasRepeating; >
<!--ELEMENT v1.Cust.Doc.PersonName  (#PCDATA )>
<!--ELEMENT v1.Cust.Doc.Id  (#PCDATA )>
<!--ELEMENT v1.Cust.Doc.IssueAuthority  (#PCDATA )>
<!--ELEMENT v1.Cust.Doc.IssueLocation  (#PCDATA )>
<!--ELEMENT v1.Cust.Loyalty  (v1.CompanyCode , v1.Cust.Loyal.ProgramName? ,
v1.Cust.Loyal.PersonName? )>
<!--ATTLIST v1.Cust.Loyalty  %Ent.v1.Repeating;
                                     %Ent.v1.Privacy;
                                     SingleVendorInd  (SingleVndr | Alliance )  #IMPLIED
                                     LoyalLevel      CDATA  #IMPLIED >
<!--ELEMENT v1.Cust.Loyal.ProgramName  (#PCDATA )>
<!--ELEMENT v1.Cust.Loyal.PersonName  (%Ent.v1.PersonName; )>

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<!--ATTLIST vl.Cust.Loyal.PersonName      PersonId      CDATA      #IMPLIED
                                     %Ent.vl.HasRepeating; >

<!--Customer travel preferences-->

<!--ELEMENT vl.Pref.Collection ( (vl.Pref.Common , vl.Pref.CarRental* ,
vl.Pref.Airlines* , vl.Pref.Hotel* , vl.Pref.OtherSrv* ) | (vl.Pref.CarRental+
, vl.Pref.Airlines* , vl.Pref.Hotel* , vl.Pref.OtherSrv* ) | (vl.Pref.Airlines+
, vl.Pref.Hotel* , vl.Pref.OtherSrv* ) | (vl.Pref.Hotel+ , vl.Pref.OtherSrv* )
| (vl.Pref.OtherSrv+ ) )>
<!--ATTLIST vl.Pref.Collection      %Ent.vl.Privacy;
                                     %Ent.vl.HasRepeating;
                                     %Ent.vl.Repeating;
                                     TravelType      CDATA      #IMPLIED >

<!--Common customer preferences-->

<!--ELEMENT vl.Pref.Common (vl.Pref.Common.PersonName* , vl.Pref.Common.Phone* ,
vl.Pref.Common.Address* , vl.Pref.Common.PaymtForm* ,
vl.Pref.Common.InterestName* , vl.Pref.Common.MealType? ,
vl.Pref.Common.FavoriteFood* , vl.Pref.Common.MediaEntertain* ,
vl.Pref.Common.Beverage* , vl.Pref.Common.PetInfo* , vl.Pref.Common.SpecReq* ,
vl.Pref.Common.Loyalty* , vl.Pref.Common.RelatedTrav* )>
<!--ATTLIST vl.Pref.Common      SmokingInd      (Yes | No )      #IMPLIED
                                     Language      CDATA      #IMPLIED
                                     %Ent.vl.HasRepeating;
                                     %Ent.vl.Privacy; >

<!--ELEMENT vl.Pref.Common.PersonName (%Ent.vl.PersonName; )>
<!--ATTLIST vl.Pref.Common.PersonName      %Ent.vl.Repeating;
                                     %Ent.vl.Privacy;
                                     %Ent.vl.HasRepeating;
                                     NameType      CDATA      #IMPLIED >

<!--ELEMENT vl.Pref.Common.Phone (%Ent.vl.Telephone; )>
<!--ATTLIST vl.Pref.Common.Phone      %Ent.vl.Repeating;
                                     %Ent.vl.Privacy;
                                     PhoneTech      CDATA      #IMPLIED
                                     PhoneUse      CDATA      #IMPLIED
                                     ContactType      CDATA      #IMPLIED >

<!--ELEMENT vl.Pref.Common.Address (%Ent.vl.Address; )>
<!--ATTLIST vl.Pref.Common.Address      %Ent.vl.Repeating;
                                     %Ent.vl.Privacy;
                                     %Ent.vl.HasRepeating;
                                     AddressType      (Delivery |
                                                         Mailing |
                                                         Billing |
                                                         CreditCard )      #IMPLIED
                                     ContactType      CDATA      #IMPLIED >

<!--ELEMENT vl.Pref.Common.PaymtForm (#PCDATA )>
<!--ATTLIST vl.Pref.Common.PaymtForm      PreferLevel      (Only | Unacceptable )
#IMPLIED
                                     PayFormReferName      CDATA      #IMPLIED
                                     %Ent.vl.Repeating; >

<!--ELEMENT vl.Pref.Common.InterestName (#PCDATA )>
<!--ATTLIST vl.Pref.Common.InterestName      %Ent.vl.Repeating;
                                     PreferLevel      (Only | Unacceptable )
#IMPLIED >

<!--ELEMENT vl.Pref.Common.MealType (#PCDATA )>

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<!ATTLIST v1.Pref.Common.MealType  PreferLevel  (Only | Unacceptable )  #IMPLIED
>
<!ELEMENT v1.Pref.Common.FavoriteFood  (#PCDATA )>
<!ATTLIST v1.Pref.Common.FavoriteFood  %Ent.v1.Repeating;
                                                PreferLevel      (Only | Unacceptable )
#IMPLIED >
<!ELEMENT v1.Pref.Common.MediaEntertain  (#PCDATA )>
<!ATTLIST v1.Pref.Common.MediaEntertain  %Ent.v1.Repeating;
                                                PreferLevel      (Only | Unacceptable )
#IMPLIED >
<!ELEMENT v1.Pref.Common.Beverage  (#PCDATA )>
<!ATTLIST v1.Pref.Common.Beverage  %Ent.v1.Repeating;
                                                PreferLevel      (Only | Unacceptable )
#IMPLIED >
<!ELEMENT v1.Pref.Common.PetInfo  (#PCDATA )>
<!ATTLIST v1.Pref.Common.PetInfo  PreferLevel      (Only | Unacceptable )
#IMPLIED
                                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Common.SpecReq  (#PCDATA )>
<!ATTLIST v1.Pref.Common.SpecReq  %Ent.v1.Repeating;
                                                PreferLevel      (Only | Unacceptable )
#IMPLIED >
<!ELEMENT v1.Pref.Common.Loyalty  (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Pref.Common.Loyalty  PreferLevel      (Only | Unacceptable )
#IMPLIED
                                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Common.RelatedTrav  (%Ent.v1.UniqueId; , %Ent.v1.PersonName; )>
<!ATTLIST v1.Pref.Common.RelatedTrav  RelatedServerId  CDATA  #IMPLIED
                                                %Ent.v1.HasRepeating;
                                                %Ent.v1.Repeating; >

<!-->
<!-- Car rental preferences-->
<!-->
<!ELEMENT v1.Pref.CarRental  (v1.Pref.Car.Loyalty* , v1.Pref.Car.VendorId* ,
v1.Pref.Car.PaymtForm* , v1.Pref.Car.Coverage* , v1.Pref.Car.SpecialReq* ,
v1.Pref.Car.VehicleType* , v1.Pref.Car.VehicleClass* , v1.Pref.Car.AirCondition?
, v1.Pref.Car.Transmission? , v1.Pref.Car.CellPhone? ,
v1.Pref.Car.GlobalNavigation? , v1.Pref.Car.PhysChalleEquip* ,
v1.Pref.Car.ChildSeat* )>
<!ATTLIST v1.Pref.CarRental  CarRenterType          CDATA  #IMPLIED
                                                %Ent.v1.Repeating;
                                                %Ent.v1.HasRepeating;
                                                %Ent.v1.Privacy;
                                                PreferLevel      (Only | Unacceptable )
#IMPLIED
                                                SmokingInd      (Yes | No )  #IMPLIED >
<!ELEMENT v1.Pref.Airlines  (v1.Pref.Air.Loyalty* , v1.Pref.Air.VendorId* ,
v1.Pref.Air.PaymtForm* , v1.Pref.Air.MediaEntertain* ,
v1.Pref.Air.AirportOriginId* , v1.Pref.Air.AirportRouteId* ,
v1.Pref.Air.DistribType* , v1.Pref.Air.FareRestriction* , v1.Pref.Air.FlightType*
, v1.Pref.Air.EquipType* , v1.Pref.Air.Cabin* , v1.Pref.Air.ServiceClass* ,
v1.Pref.Air.SeatPosition* , v1.Pref.Air.SeatLocation* , v1.Pref.Air.MealType* ,
v1.Pref.Air.Beverage* , v1.Pref.Air.PetInfo* , v1.Pref.Air.SpecServReq* ,
v1.Pref.Air.SpecRequest* )>
<!ATTLIST v1.Pref.Airlines  PreferLevel      (Only | Unacceptable )  #IMPLIED
                                                AirPassengerType  CDATA  #IMPLIED
                                                %Ent.v1.Privacy;

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                                %Ent.v1.HasRepeating;
                                %Ent.v1.Repeating;
                                AirTicketType      (Electronic | Paper ) #IMPLIED
                                SmokingInd          (Yes | No ) #IMPLIED >
<!ELEMENT v1.Pref.Hotel (v1.Pref.Hotel.Loyalty* , v1.Pref.Hotel.PaymtForm* ,
v1.Pref.Hotel.ChainId* , v1.Pref.Hotel.PropertyName* ,
v1.Pref.Hotel.MediaEntertain* , v1.Pref.Hotel.MealType* ,
v1.Pref.Hotel.FavoriteFood* , v1.Pref.Hotel.Beverage* , v1.Pref.Hotel.PetInfo* ,
v1.Pref.Hotel.LocationType* , v1.Pref.Hotel.PropertyType* ,
v1.Pref.Hotel.PropertyClass* , v1.Pref.Hotel.PropAmenity* ,
v1.Pref.Hotel.RoomAmenity* , v1.Pref.Hotel.RoomLocation* , v1.Pref.Hotel.BedType*
, v1.Pref.Hotel.FoodSrv* , v1.Pref.Hotel.RecreSrv* ,
v1.Pref.Hotel.BusinessSrv* , v1.Pref.Hotel.PersonalSrv* ,
v1.Pref.Hotel.SecurityFeatr* , v1.Pref.Hotel.PhysChallFeatr* ,
v1.Pref.Hotel.SpecRequest* )>
<!ATTLIST v1.Pref.Hotel HotelGuestType      CDATA #IMPLIED
                        PreferLevel          (Only | Unacceptable ) #IMPLIED
                        %Ent.v1.Repeating;
                        %Ent.v1.HasRepeating;
                        %Ent.v1.Privacy;
                        RatePlan              CDATA #IMPLIED
                        SmokingInd            (Yes | No ) #IMPLIED >
<!ELEMENT v1.Pref.OtherSrv (v1.Pref.Other.SrvName? , v1.Pref.Other.Loyalty* ,
v1.Pref.Other.PaymtForm* , v1.Pref.Other.SpecRequest* )>
<!ATTLIST v1.Pref.OtherSrv OtherServiceType  CDATA #IMPLIED
                        PreferLevel          (Only | Unacceptable )
#IMPLIED
                        %Ent.v1.Repeating;
                        %Ent.v1.HasRepeating;
                        %Ent.v1.Privacy; >
<!ELEMENT v1.Pref.Car.Loyalty (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Pref.Car.Loyalty %Ent.v1.Repeating;
                        PreferLevel          (Only | Unacceptable ) #IMPLIED
>
<!ELEMENT v1.Pref.Car.VendorId (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Pref.Car.VendorId PreferLevel          (Only | Unacceptable )
#IMPLIED
                        %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Car.PaymtForm EMPTY>
<!ATTLIST v1.Pref.Car.PaymtForm PreferLevel          (Only | Unacceptable )
#IMPLIED
                        PayFormReferName CDATA #IMPLIED
                        %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Car.Coverage (v1.Pref.Car.Cov.Supplement* ,
v1.Pref.Car.Cov.Description* , v1.Pref.Car.Cov.Limits* )>
<!ATTLIST v1.Pref.Car.Coverage CoverageType      CDATA #IMPLIED
                        CoverageCode      CDATA #IMPLIED
                        %Ent.v1.Repeating;
                        %Ent.v1.Privacy; >
<!ELEMENT v1.Pref.Car.SpecialReq (#PCDATA )>
<!ATTLIST v1.Pref.Car.SpecialReq %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Car.VehicleType (#PCDATA )>
<!ATTLIST v1.Pref.Car.VehicleType PreferLevel (Only | Unacceptable ) #IMPLIED
                        DynSeq      CDATA #IMPLIED
                        VehicleType CDATA #IMPLIED >
<!ELEMENT v1.Pref.Car.VehicleClass (#PCDATA )>

```

```

<!ATTLIST v1.Pref.Car.VehicleClass PreferLevel (Only | Unacceptable )
#IMPLIED
                                DynSeq          CDATA #IMPLIED
                                VehicleClass CDATA #IMPLIED >
<!ELEMENT v1.Pref.Car.PhysChallEquip (#PCDATA )>
<!ATTLIST v1.Pref.Car.PhysChallEquip PreferLevel (Only | Unacceptable )
#IMPLIED
                                ChallEquip CDATA #IMPLIED
                                DynSeq      CDATA #IMPLIED >
<!ELEMENT v1.Pref.Car.ChildSeat EMPTY>
<!ATTLIST v1.Pref.Car.ChildSeat Quantity          CDATA #IMPLIED
                                ChildSeatType CDATA #IMPLIED >
<!ELEMENT v1.Pref.Car.Cov.Supplement (#PCDATA )>
<!ELEMENT v1.Pref.Car.Cov.Description (#PCDATA )>
<!ELEMENT v1.Pref.Car.Cov.Limits (#PCDATA )>
<!ELEMENT v1.Pref.Car.AirCondition (#PCDATA )>
<!ELEMENT v1.Pref.Car.Transmission (#PCDATA )>
<!ELEMENT v1.Pref.Car.CellPhone (#PCDATA )>
<!ELEMENT v1.Pref.Car.GlobalNavigation (#PCDATA )>

<!-->
<!--Air travel preferences-->
<!-->
<!ELEMENT v1.Pref.Air.Loyalty (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Pref.Air.Loyalty PreferLevel (Only | Unacceptable ) #IMPLIED >
<!ELEMENT v1.Pref.Air.VendorId (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Pref.Air.VendorId PreferLevel (Only | Unacceptable ) #IMPLIED >
<!ELEMENT v1.Pref.Air.PaymtForm EMPTY>
<!ATTLIST v1.Pref.Air.PaymtForm PreferLevel (Only | Unacceptable )
#IMPLIED
                                PayFormReferName CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.MediaEntertain (#PCDATA )>
<!ATTLIST v1.Pref.Air.MediaEntertain PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.AirportOriginId (#PCDATA )>
<!ATTLIST v1.Pref.Air.AirportOriginId PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.AirportRouteId (#PCDATA )>
<!ATTLIST v1.Pref.Air.AirportRouteId PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.DistribType (#PCDATA )>
<!ATTLIST v1.Pref.Air.DistribType PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating;
                                DistribType CDATA #IMPLIED >
<!ELEMENT v1.Pref.Air.FareRestriction (#PCDATA )>
<!ATTLIST v1.Pref.Air.FareRestriction FareRestrict CDATA #IMPLIED

```

```

                                PreferLevel          (Only | Unacceptable )
#IMPLIED

                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.FlightType  (#PCDATA )>
<!ATTLIST v1.Pref.Air.FlightType  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                FlightType          CDATA  #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.EquipType  (#PCDATA )>
<!ATTLIST v1.Pref.Air.EquipType  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.Cabin  (#PCDATA )>
<!ATTLIST v1.Pref.Air.Cabin  PreferLevel          (Only | Unacceptable ) #IMPLIED
                                CabinType          CDATA  #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.ServiceClass  (#PCDATA )>
<!ATTLIST v1.Pref.Air.ServiceClass  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.SeatPosition  (#PCDATA )>
<!ATTLIST v1.Pref.Air.SeatPosition  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                SeatRow          CDATA  #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.SeatLocation  (#PCDATA )>
<!ATTLIST v1.Pref.Air.SeatLocation  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                SeatLocat          CDATA  #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.MealType  (#PCDATA )>
<!ATTLIST v1.Pref.Air.MealType  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.Beverage  (#PCDATA )>
<!ATTLIST v1.Pref.Air.Beverage  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.PetInfo  (#PCDATA )>
<!ATTLIST v1.Pref.Air.PetInfo  PreferLevel          (Only | Unacceptable ) #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.SpecServReq  (#PCDATA )>
<!ATTLIST v1.Pref.Air.SpecServReq  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                SSR_OSI          CDATA  #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Air.SpecRequest  (#PCDATA )>
<!ATTLIST v1.Pref.Air.SpecRequest  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                %Ent.v1.Repeating; >
<!-->
<!-- Hotel preferences-->
<!-->
<!ELEMENT v1.Pref.Hotel.Loyalty  (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Pref.Hotel.Loyalty  PreferLevel          (Only | Unacceptable )
#IMPLIED

                                %Ent.v1.Repeating; >

```

```

<!ELEMENT v1.Pref.Hotel.PaymtForm (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PaymtForm PreferLevel (Only | Unacceptable )
#IMPLIED
                                PayFormReferName CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.ChainId (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.ChainId PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.PropertyName (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PropertyName PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.MediaEntertain (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.MediaEntertain PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.MealType (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.MealType PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.FavoriteFood (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.FavoriteFood PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.Beverage (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.Beverage PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.PetInfo (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PetInfo PreferLevel (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.LocationType (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.LocationType PreferLevel (Only | Unacceptable )
#IMPLIED
                                LocationType CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.PropertyType (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PropertyType PreferLevel (Only | Unacceptable )
#IMPLIED
                                PropertyType CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.PropertyClass (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PropertyClass PreferLevel (Only | Unacceptable )
#IMPLIED
                                PropertyClass CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.PropAmenity (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PropAmenity PreferLevel (Only | Unacceptable )
#IMPLIED
                                PropAmenity CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.RoomAmenity (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.RoomAmenity PreferLevel (Only | Unacceptable )
#IMPLIED
                                RoomAmenity CDATA #IMPLIED

```

```

                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.RoomLocation (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.RoomLocation PreferLevel          (Only | Unacceptable )
#IMPLIED
                                RoomLocation          CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.BedType (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.BedType PreferLevel          (Only | Unacceptable )
#IMPLIED
                                BedType              CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.FoodSrvc (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.FoodSrvc PreferLevel          (Only | Unacceptable )
#IMPLIED
                                FoodSrvc            CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.RecreSrvc (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.RecreSrvc PreferLevel          (Only | Unacceptable )
#IMPLIED
                                RecreSrvc           CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.BusinessSrvc (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.BusinessSrvc PreferLevel          (Only | Unacceptable )
#IMPLIED
                                BusinessSrvc        CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.PersonalSrvc (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PersonalSrvc PreferLevel          (Only | Unacceptable )
#IMPLIED
                                PersonalSrvc        CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.SecurityFeatr (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.SecurityFeatr PreferLevel          (Only | Unacceptable )
#IMPLIED
                                SecurityFeatr       CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.PhysChallFeatr (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.PhysChallFeatr PreferLevel          (Only | Unacceptable )
#IMPLIED
                                PhysChallFeatr      CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Hotel.SpecRequest (#PCDATA )>
<!ATTLIST v1.Pref.Hotel.SpecRequest PreferLevel          (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!-->
<!-- Other travel service preferences-->
<!-->
<!ELEMENT v1.Pref.Other.SrvcName EMPTY>

<!ELEMENT v1.Pref.Other.Loyalty (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Pref.Other.Loyalty PreferLevel          (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Other.PaymtForm EMPTY>
<!ATTLIST v1.Pref.Other.PaymtForm PreferLevel          (Only | Unacceptable )
#IMPLIED

```

```

                                PayFormReferName CDATA #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Pref.Other.SpecRequest (#PCDATA )>
<!ATTLIST v1.Pref.Other.SpecRequest PreferLevel          (Only | Unacceptable )
#IMPLIED
                                %Ent.v1.Repeating; >
<!--Affiliations, organizations involved with the supply of travel services
-->
<!ELEMENT v1.Aff.Organization (v1.Aff.Organiz.Name? ,
v1.Aff.Organiz.RelatedName* , v1.Aff.Organiz.Level? , v1.Aff.Organiz.MemberTitle?
, v1.Aff.Organiz.TravelSrvVendorName? )>
<!ATTLIST v1.Aff.Organization DefaultInd                (Yes | No ) #IMPLIED
                                OfficeType                CDATA #IMPLIED
                                ExpiryDate                CDATA #IMPLIED
                                %Ent.v1.HasRepeating;
                                %Ent.v1.Repeating;
                                %Ent.v1.Privacy;
                                PersonId                  CDATA #IMPLIED >
<!ELEMENT v1.Aff.Organiz.Name (#PCDATA )>

<!ELEMENT v1.Aff.Organiz.RelatedName (#PCDATA )>
<!ATTLIST v1.Aff.Organiz.RelatedName %Ent.v1.Repeating; >
<!ELEMENT v1.Aff.Organiz.Level (#PCDATA )>

<!ELEMENT v1.Aff.Organiz.MemberTitle (#PCDATA )>

<!ELEMENT v1.Aff.Organiz.TravelSrvVendorName (#PCDATA | %Ent.v1.CompanyId; )*>

<!ELEMENT v1.Aff.Employer (v1.Aff.Empl.CompName? , v1.Aff.Empl.RelatedName* ,
v1.Aff.Empl.Level? , v1.Aff.Empl.Title? , v1.Aff.Empl.InternalRefNmbr* ,
v1.Aff.Empl.TravelSrvVendorName? , v1.Aff.Empl.Loyalty? )>
<!ATTLIST v1.Aff.Employer DefaultInd                (Yes | No ) #IMPLIED
                                %Ent.v1.Privacy;
                                %Ent.v1.Repeating;
                                %Ent.v1.HasRepeating;
                                PersonId                CDATA #IMPLIED
                                OfficeType                CDATA #IMPLIED
                                ExpiryDate                CDATA #IMPLIED
                                EmployeeStatus            CDATA #IMPLIED >
<!ELEMENT v1.Aff.Empl.CompName (#PCDATA )>

<!ELEMENT v1.Aff.Empl.RelatedName (#PCDATA )>
<!ATTLIST v1.Aff.Empl.RelatedName %Ent.v1.Repeating; >
<!ELEMENT v1.Aff.Empl.Level (#PCDATA )>

<!ELEMENT v1.Aff.Empl.Title (#PCDATA )>

<!ELEMENT v1.Aff.Empl.InternalRefNmbr (#PCDATA )>
<!ATTLIST v1.Aff.Empl.InternalRefNmbr %Ent.v1.Repeating; >
<!ELEMENT v1.Aff.Empl.Loyalty (#PCDATA | %Ent.v1.CompanyId; )*>
<!ATTLIST v1.Aff.Empl.Loyalty PreferLevel          (Only | Unacceptable ) #IMPLIED
                                %Ent.v1.Repeating; >
<!ELEMENT v1.Aff.Empl.TravelSrvVendorName (#PCDATA )>

<!ELEMENT v1.Aff.Insurance (v1.Aff.Insur.CompName , v1.Aff.Insur.Underwriter? )>
<!ATTLIST v1.Aff.Insurance PreferLevel          (Only | Unacceptable ) #IMPLIED
                                %Ent.v1.Repeating;

```

```

InsuranceType      CDATA #IMPLIED
PolicyNumber       CDATA #REQUIRED
EffectDate         CDATA #IMPLIED
ExpiryDate         CDATA #IMPLIED >
<!ELEMENT v1.Aff.Insur.CompName (#PCDATA )>

<!ELEMENT v1.Aff.Insur.Underwriter (#PCDATA )>

<!ELEMENT v1.Aff.TrvlArr (v1.Aff.TrvlArr.CompName? ,
v1.Aff.TrvlArr.PersonName* , v1.Aff.TrvlArr.Address* , v1.Aff.TrvlArr.Phone* ,
v1.Aff.TrvlArr.Email* , v1.Aff.TrvlArr.URL* )>
<!ATTLIST v1.Aff.TrvlArr DefaultInd (Yes | No ) #IMPLIED
TravelArrangerType CDATA #IMPLIED
%Ent.v1.Privacy;
%Ent.v1.Repeating;
%Ent.v1.HasRepeating; >
<!ELEMENT v1.Aff.TrvlArr.CompName (#PCDATA | %Ent.v1.CompanyId; )*>

<!ELEMENT v1.Aff.TrvlArr.PersonName (%Ent.v1.PersonName; )>
<!ATTLIST v1.Aff.TrvlArr.PersonName %Ent.v1.HasRepeating;
%Ent.v1.Repeating;
DefaultInd (Yes | No ) #IMPLIED >

<!ELEMENT v1.Aff.TrvlArr.Address (%Ent.v1.Address; )>
<!ATTLIST v1.Aff.TrvlArr.Address %Ent.v1.Repeating;
%Ent.v1.HasRepeating;
DefaultInd (Yes | No ) #IMPLIED >

<!ELEMENT v1.Aff.TrvlArr.Phone (%Ent.v1.Telephone; )>
<!ATTLIST v1.Aff.TrvlArr.Phone PhoneTech CDATA #IMPLIED
PhoneUse CDATA #IMPLIED
%Ent.v1.HasRepeating;
%Ent.v1.Repeating; >

<!ELEMENT v1.Aff.TrvlArr.Email (#PCDATA )>
<!ATTLIST v1.Aff.TrvlArr.Email DefaultInd (Yes | No ) #IMPLIED
%Ent.v1.Repeating; >

<!ELEMENT v1.Aff.TrvlArr.URL (#PCDATA )>
<!ATTLIST v1.Aff.TrvlArr.URL DefaultInd (Yes | No ) #IMPLIED
%Ent.v1.Repeating; >

<!ELEMENT v1.Aff.TravelClub (v1.Aff.Club.ProgramName , v1.Aff.Club.PersonName?
)>
<!ATTLIST v1.Aff.TravelClub ExpiryDate CDATA #IMPLIED
%Ent.v1.Privacy;
%Ent.v1.Repeating; >

<!ELEMENT v1.Aff.Club.PersonName (%Ent.v1.PersonName; )>
<!ATTLIST v1.Aff.Club.PersonName PersonId CDATA #IMPLIED >
<!ELEMENT v1.Aff.Club.ProgramName (#PCDATA | %Ent.v1.CompanyId; )*>

<!ELEMENT v1.Address (v1.Addr.StreetNmbr? , v1.Addr.BldgRoom? ,
v1.Addr.CityName? , v1.Addr.StateProv? , v1.Addr.CountryName? , v1.Addr.Line* )>
<!ATTLIST v1.Address %Ent.v1.HasRepeating; >
<!ELEMENT v1.Addr.StreetNmbr (#PCDATA )>
<!ATTLIST v1.Addr.StreetNmbr POBox CDATA #IMPLIED >
<!ELEMENT v1.Addr.BldgRoom (#PCDATA )>

<!ELEMENT v1.Addr.CityName (#PCDATA )>

<!ELEMENT v1.Addr.StateProv (#PCDATA )>
<!ATTLIST v1.Addr.StateProv PostalCode CDATA #IMPLIED >

```



```

<!ELEMENT v1.Addr.CountryName (#PCDATA )>
<!ATTLIST v1.Addr.CountryName CountryCode CDATA #IMPLIED >
<!ELEMENT v1.Addr.Line (#PCDATA )>
<!ATTLIST v1.Addr.Line %Ent.v1.Repeating; >
<!ELEMENT v1.PersonName (v1.Person.NameTitle* , v1.Person.GivenName? ,
v1.Person.MiddleName* , v1.Person.MiddleInitial* , v1.Person.Surname ,
v1.Person.NameSuffix* )>
<!ATTLIST v1.PersonName %Ent.v1.HasRepeating; >
<!ELEMENT v1.Person.NameTitle (#PCDATA )>
<!ATTLIST v1.Person.NameTitle %Ent.v1.Repeating; >
<!ELEMENT v1.Person.GivenName (#PCDATA )>

<!ELEMENT v1.Person.MiddleName (#PCDATA )>
<!ATTLIST v1.Person.MiddleName %Ent.v1.Repeating; >
<!ELEMENT v1.Person.MiddleInitial (#PCDATA )>
<!ATTLIST v1.Person.MiddleInitial %Ent.v1.Repeating; >
<!ELEMENT v1.Person.Surname (#PCDATA )>

<!ELEMENT v1.Person.NameSuffix (#PCDATA )>
<!ATTLIST v1.Person.NameSuffix %Ent.v1.Repeating; >
<!ELEMENT v1.Telephone (v1.Phone.AreaCityCode , v1.Phone.Number )>
<!ATTLIST v1.Telephone CountryAccessCode CDATA #IMPLIED
                Extension CDATA #IMPLIED
                PIN CDATA #IMPLIED >
<!ELEMENT v1.Phone.AreaCityCode (#PCDATA )>

<!ELEMENT v1.Phone.Number (#PCDATA )>

<!ELEMENT v1.ResourceId (#PCDATA )>
<!ATTLIST v1.ResourceId ResourceContext CDATA #IMPLIED >
<!ELEMENT v1.CompanyCode (#PCDATA )>
<!ATTLIST v1.CompanyCode CodeContext CDATA #IMPLIED >
<!ELEMENT v1.TradingPartner (v1.CompanyCode )>

<!ELEMENT v1.UniqueId (v1.TradingPartner* , v1.ResourceId )>

```

1.2 OTA non-version DTD

```

<!-->
<!-->
<!-->
<!-->
<!-->
<!--OpenTravel Alliance version 1 specification, 28 February 2000, OTA_Nv.dtd-->
<!--Non-versioned messages-->
<!-->
<!--Copyright 2000 OpenTravel Alliance-->
<!-->
<!ELEMENT OTA (StandardError | VersionsSupportedRQ | VersionsSupportedRS )>
<!ATTLIST OTA EchoToken CDATA #IMPLIED
              TimeStamp CDATA #IMPLIED
              Target CDATA 'Production'
              GeoCode CDATA #IMPLIED >
<!ELEMENT StandardError (#PCDATA )>
<!ATTLIST StandardError Status CDATA 'Not-processed'
                        Type CDATA #REQUIRED
                        DocURL CDATA #IMPLIED >
<!ELEMENT VersionsSupportedRQ EMPTY>

<!ELEMENT VersionsSupportedRS (Version+ )>
<!ATTLIST VersionsSupportedRS Success CDATA 'Y' >
<!ELEMENT Version (#PCDATA )>
<!ATTLIST Version XML_Root CDATA #REQUIRED
                  Protocol CDATA #REQUIRED
                  Access CDATA #REQUIRED
                  Params CDATA #IMPLIED
                  DocURL CDATA #IMPLIED >

```

2 Additional Update process examples

2.1 Add spouse before children as related travelers, add spouse's credit card to forms of payment

ReadAll message exchange

```
<?xml version="1.0" ?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:10:00" EchoToken="01239876" Target="Production"
  GeoCode="+4732-12218">
  <v1.Control>
    <v1.Session Identity="ConXTravel Co" URI="http://ota.ConXTravel.com">
      <v1.Credential Method="MegaSecure">trewq</v1.Credential>
      <v1.Principal Identity="CompanyPrincipal" />
    </v1.Session>
  </v1.Control>
  <v1.Content>
    <v1.CustProfileReadAllRQ>
      <v1.UniqueId>
        <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
      </v1.UniqueId>
    </v1.CustProfileReadAllRQ>
  </v1.Content>
</OTA_v1>
```

```
<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:10:05" EchoToken="01239876" Target="Production"
  GeoCode="+3018-9742">
  <v1.Control>
    <v1.SendBy Identity="LoneStarAir" URI="http://ota.LoneStarAir.com">
      <v1.Credential Method="JunkYardDog">bvc098cxz</v1.Credential>
    </v1.SendBy>
  </v1.Control>
  <v1.Content>
    <v1.CustProfileReadAllRS Success="Yes">
      <v1.UniqueId>
        <v1.TradingPartner>
          <v1.CompanyCode CodeContext="FedTaxID">654-987123478</v1.CompanyCode>
        </v1.TradingPartner>
        <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
      </v1.UniqueId>
      <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
        <v1.Customer>
          <v1.Cust.PersonName NameType="Default">
            <v1.PersonName>
              <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
              <v1.Person.GivenName> George </v1.Person.GivenName>
              <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
              <v1.Person.Surname> Smith</v1.Person.Surname>
            </v1.PersonName>
          </v1.Cust.PersonName>
          <v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work" DynSeq="0">
```

```

    <v1.Telephone>
      <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
      <v1.Phone.Number>813-8532</v1.Phone.Number>
    </v1.Telephone>
  </v1.Cust.Telephone>
  <v1.Cust.Telephone PhoneTech="Fax" PhoneUse="Work" DynSeq="1">
    <v1.Telephone>
      <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
      <v1.Phone.Number>813-8698</v1.Phone.Number>
    </v1.Telephone>
  </v1.Cust.Telephone>
  <v1.Cust.PaymentForm>
    <v1.Cust.Pay.CreditCard CardType="Credit"
      PayFormReferName="WorkMastercard">
      <v1.Cust.Pay.Card.Number>M:4356 ... 5677
    </v1.Cust.Pay.Card.Number>
    <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
    </v1.Cust.Pay.Card.ExpiryDate>
    </v1.Cust.Pay.CreditCard>
    <v1.Cust.Pay.DirectBill DirectBill_Id="323453"
      PayFormReferName="ConX_Invoice">
      <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
    </v1.Cust.Pay.Direct.CompanyName>
    <v1.Cust.Pay.Direct.Address>
      <v1.Address>
        <v1.Addr.StreetNmbr POBox="4321-01">1200
          Yakima St</v1.Addr.StreetNmbr>
        <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
        <v1.Addr.CityName>Seattle</v1.Addr.CityName>
        <v1.Addr.StateProv PostalCode="98108">WA
        </v1.Addr.StateProv>
        <v1.Addr.CountryName>USA</v1.Addr.CountryName>
      </v1.Address>
    </v1.Cust.Pay.Direct.Address>
    </v1.Cust.Pay.DirectBill>
  </v1.Cust.PaymentForm>
  <v1.Cust.RelatedTraveler Relation="Child" DynSeq="0">
    <v1.UniqueId>
      <v1.ResourceId>7005-548-703</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
      <v1.PersonName>
        <v1.Person.NameTitle>Mr.</v1.Person.NameTitle>
        <v1.Person.GivenName>Devin</v1.Person.GivenName>
        <v1.Person.MiddleInitial>R.</v1.Person.MiddleInitial>
        <v1.Person.Surname>Smith</v1.Person.Surname>
      </v1.PersonName>
    </v1.Cust.Related.PersonName>
  </v1.Cust.RelatedTraveler>
  <v1.Cust.RelatedTraveler Relation="Child" DynSeq="1">
    <v1.UniqueId>
      <v1.ResourceId>7005-548-704</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
      <v1.PersonName>
        <v1.Person.NameTitle>Ms.</v1.Person.NameTitle>
        <v1.Person.GivenName>Amy</v1.Person.GivenName>

```

```

        <v1.Person.MiddleInitial>E.</v1.Person.MiddleInitial>
        <v1.Person.Surname>Smith</v1.Person.Surname>
      </v1.PersonName>
    </v1.Cust.Related.PersonName>
  </v1.Cust.RelatedTraveler>
</v1.Customer>
</v1.CustProfile>
</v1.CustProfileReadAllRS>
</v1.Content>
</OTA_v1>

```

Update request message

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:10:20" EchoToken="01239878" Target="Production"
  GeoCode="+4732-12218">
  <v1.Control>
    <v1.Session Identity="ConXTravel Co" URI="http://ota.ConXTravel.com">
      <v1.Credential Method="MegaSecure">trewq</v1.Credential>
      <v1.Principal Identity="CompanyPrincipal">
        </v1.Principal>
    </v1.Session>
  </v1.Control>
  <v1.Content>
    <v1.CustProfileUpdaterRQ>
      <v1.UniqueId>
        <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
      </v1.UniqueId>
    </v1.Verify>
    <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
      <v1.Customer>
        <v1.Cust.PersonName NameType="Default">
          <v1.PersonName>
            <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
            <v1.Person.GivenName> George </v1.Person.GivenName>
            <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
            <v1.Person.Surname> Smith</v1.Person.Surname>
          </v1.PersonName>
        </v1.Cust.PersonName>
        <v1.Cust.PaymentForm>
          <v1.Cust.Pay.CreditCard CardType="Credit">
            PayFormReferName="WorkMastercard" DynSeq="0">
              <v1.Cust.Pay.Card.Number>M:4356 ... 5677
            </v1.Cust.Pay.Card.Number>
            <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
            </v1.Cust.Pay.Card.ExpiryDate>
          </v1.Cust.Pay.CreditCard>
          <v1.Cust.Pay.DirectBill DirectBill_Id="323453">
            PayFormReferName="ConX_Invoice">
              <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
            </v1.Cust.Pay.Direct.CompanyName>
            <v1.Cust.Pay.Direct.Address>
              <v1.Address>
                <v1.Addr.StreetNmbr POBox="4321-01">
                  1200 Yakima St</v1.Addr.StreetNmbr>

```

```

        <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
        <v1.Addr.CityName>Seattle</v1.Addr.CityName>
        <v1.Addr.StateProv PostalCode="98108">WA
        </v1.Addr.StateProv>
        <v1.Addr.CountryName>USA</v1.Addr.CountryName>
    </v1.Address>
</v1.Cust.Pay.Direct.Address>
</v1.Cust.Pay.DirectBill>
</v1.Cust.PaymentForm>
<v1.Cust.RelatedTraveler Relation="Child" DynSeq="0">
    <v1.UniqueId>
        <v1.ResourceId>7005-548-703</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
        <v1.PersonName>
            <v1.Person.NameTitle>Mr.</v1.Person.NameTitle>
            <v1.Person.GivenName>Devin</v1.Person.GivenName>
            <v1.Person.MiddleInitial>R.</v1.Person.MiddleInitial>
            <v1.Person.Surname>Smith</v1.Person.Surname>
        </v1.PersonName>
    </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
<v1.Cust.RelatedTraveler Relation="Child" DynSeq="1">
    <v1.UniqueId>
        <v1.ResourceId>7005-548-704</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
        <v1.PersonName>
            <v1.Person.NameTitle>Ms.</v1.Person.NameTitle>
            <v1.Person.GivenName>Amy</v1.Person.GivenName>
            <v1.Person.MiddleInitial>E.</v1.Person.MiddleInitial>
            <v1.Person.Surname>Smith</v1.Person.Surname>
        </v1.PersonName>
    </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
</v1.Customer>
</v1.CustProfile>
</v1.Verify>
<v1.Insert>
    <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
        <v1.Customer>
            <v1.Cust.PersonName ValidRepeatInd="Yes">
                <v1.PersonName>
                    <v1.Person.Surname> Smith</v1.Person.Surname>
                </v1.PersonName>
            </v1.Cust.PersonName>
            <v1.Cust.PaymentForm>
                <v1.Cust.Pay.CreditCard CardType="Credit"
                    PayFormReferName="SpouseVisa" AftDynSeq="0">
                    <v1.Cust.Pay.Card.Number>M:2354 ... 5767
                    </v1.Cust.Pay.Card.Number>
                    <v1.Cust.Pay.Card.ExpiryDate>2002-12-01
                    </v1.Cust.Pay.Card.ExpiryDate>
                </v1.Cust.Pay.CreditCard>
            </v1.Cust.PaymentForm>
            <v1.Cust.RelatedTraveler Relation="Spouse" BefDynSeq="1">

```

```

        <v1.UniqueId>
          <v1.ResourceId>7005-548-705</v1.ResourceId>
        </v1.UniqueId>
        <v1.Cust.Related.PersonName>
          <v1.PersonName>
            <v1.Person.NameTitle>Mrs.</v1.Person.NameTitle>
            <v1.Person.GivenName>Kristen</v1.Person.GivenName>
            <v1.Person.MiddleInitial>L.</v1.Person.MiddleInitial>
            <v1.Person.Surname>Smith</v1.Person.Surname>
          </v1.PersonName>
        </v1.Cust.Related.PersonName>
      </v1.Cust.RelatedTraveler>
    </v1.Customer>
  </v1.CustProfile>
</v1.Insert>
</v1.CustProfileUpdaterRQ>
</v1.Content>
</OTA_v1>

```

Update response message

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:10:25" EchoToken="01239878" Target="Production"
  GeoCode="+3018-9742">
  <v1.Control>
    <v1.SendBy Identity="LoneStarAir" URI="http://ota.LoneStarAir.com">
      <v1.Credential Method="JunkYardDog">bvc098cxz</v1.Credential>
    </v1.SendBy>
  </v1.Control>
  <v1.Content>
    <v1.CustProfileUpdaterRS Success="Yes">
      <v1.UniqueId>
        <v1.TradingPartner>
          <v1.CompanyCode CodeContext="FedTaxID">654-987123478</v1.CompanyCode>
        </v1.TradingPartner>
        <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
      </v1.UniqueId>
      <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
        <v1.Customer>
          <v1.Cust.PersonName NameType="Default">
            <v1.PersonName>
              <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
              <v1.Person.GivenName> George </v1.Person.GivenName>
              <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
              <v1.Person.Surname> Smith</v1.Person.Surname>
            </v1.PersonName>
          </v1.Cust.PersonName>
          <v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work" DynSeq="0">
            <v1.Telephone>
              <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
              <v1.Phone.Number>813-8532</v1.Phone.Number>
            </v1.Telephone>
          </v1.Cust.Telephone>
          <v1.Cust.Telephone PhoneTech="Fax" PhoneUse="Work" DynSeq="1">

```

```
<v1.Telephone>
  <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
  <v1.Phone.Number>813-8698</v1.Phone.Number>
</v1.Telephone>
</v1.Cust.Telephone>
<v1.Cust.PaymentForm>
  <v1.Cust.Pay.CreditCard CardType="Credit"
    PayFormReferName="WorkMastercard" DynSeq="0">
    <v1.Cust.Pay.Card.Number>M:4356 ... 5677
  </v1.Cust.Pay.Card.Number>
    <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
  </v1.Cust.Pay.Card.ExpiryDate>
  </v1.Cust.Pay.CreditCard>
  <v1.Cust.Pay.CreditCard CardType="Credit"
    PayFormReferName="SpouseVisa" DynSeq="1">
    <v1.Cust.Pay.Card.Number>M:2354 ... 5767</v1.Cust.Pay.Card.Number>
    <v1.Cust.Pay.Card.ExpiryDate>2002-12-01</v1.Cust.Pay.Card.ExpiryDate>
  </v1.Cust.Pay.CreditCard>
  <v1.Cust.Pay.DirectBill DirectBill_Id="323453"
    PayFormReferName="ConX_Invoice">
    <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
  </v1.Cust.Pay.Direct.CompanyName>
    <v1.Cust.Pay.Direct.Address>
      <v1.Address>
        <v1.Addr.StreetNmbr POBox="4321-01">1200 Yakima St
      </v1.Addr.StreetNmbr>
        <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
        <v1.Addr.CityName>Seattle</v1.Addr.CityName>
        <v1.Addr.StateProv PostalCode="98108">WA
      </v1.Addr.StateProv>
        <v1.Addr.CountryName>USA</v1.Addr.CountryName>
      </v1.Address>
    </v1.Cust.Pay.Direct.Address>
  </v1.Cust.Pay.DirectBill>
  </v1.Cust.PaymentForm>
  <v1.Cust.RelatedTraveler Relation="Spouse" DynSeq="0">
    <v1.UniqueId>
      <v1.ResourceId>7005-548-705</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
      <v1.PersonName>
        <v1.Person.NameTitle>Mrs.</v1.Person.NameTitle>
        <v1.Person.GivenName>Kristen</v1.Person.GivenName>
        <v1.Person.MiddleInitial>L.</v1.Person.MiddleInitial>
        <v1.Person.Surname>Smith</v1.Person.Surname>
      </v1.PersonName>
    </v1.Cust.Related.PersonName>
  </v1.Cust.RelatedTraveler>
  <v1.Cust.RelatedTraveler Relation="Child" DynSeq="1">
    <v1.UniqueId>
      <v1.ResourceId>7005-548-703</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
      <v1.PersonName>
        <v1.Person.NameTitle>Mr.</v1.Person.NameTitle>
        <v1.Person.GivenName>Devin</v1.Person.GivenName>
        <v1.Person.MiddleInitial>R.</v1.Person.MiddleInitial>
```



```

        <v1.Person.Surname>Smith</v1.Person.Surname>
      </v1.PersonName>
    </v1.Cust.Related.PersonName>
  </v1.Cust.RelatedTraveler>
  <v1.Cust.RelatedTraveler Relation="Child" DynSeq="2">
    <v1.UniqueId>
      <v1.ResourceId>7005-548-704</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
      <v1.PersonName>
        <v1.Person.NameTitle>Ms.</v1.Person.NameTitle>
        <v1.Person.GivenName>Amy</v1.Person.GivenName>
        <v1.Person.MiddleInitial>E.</v1.Person.MiddleInitial>
        <v1.Person.Surname>Smith</v1.Person.Surname>
      </v1.PersonName>
    </v1.Cust.Related.PersonName>
  </v1.Cust.RelatedTraveler>
</v1.Customer>
</v1.CustProfile>
</v1.CustProfileUpdateRS>
</v1.Content>
</OTA_v1>

```

2.2 Remove direct billing as a form of payment

ReadAll message exchange

```

<?xml version="1.0" ?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:30:00" EchoToken="01239880" Target="Production"
  GeoCode="+4732-12218">
  <v1.Control>
    <v1.Session Identity="ConXTravel Co" URI="http://ota.ConXTravel.com">
      <v1.Credential Method="MegaSecure">trewq</v1.Credential>
      <v1.Principal Identity="CompanyPrincipal" />
    </v1.Session>
  </v1.Control>
  <v1.Content>
    <v1.CustProfileReadAllRQ>
      <v1.UniqueId>
        <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
      </v1.UniqueId>
    </v1.CustProfileReadAllRQ>
  </v1.Content>
</OTA_v1>

```

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:30:05" EchoToken="01239880" Target="Production"
  GeoCode="+3018-9742">
  <v1.Control>
    <v1.SendBy Identity="LoneStarAir" URI="http://ota.LoneStarAir.com">
      <v1.Credential Method="JunkYardDog">bvc098cxz</v1.Credential>
    </v1.SendBy>
  </v1.Control>

```

```

<v1.Content>
  <v1.CustProfileReadAllRS Success="Yes">
    <v1.UniqueId>
      <v1.TradingPartner>
        <v1.CompanyCode CodeContext="FedTaxID">654-987123478</v1.CompanyCode>
      </v1.TradingPartner>
      <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
    </v1.UniqueId>
    <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
      <v1.Customer>
        <v1.Cust.PersonName NameType="Default">
          <v1.PersonName>
            <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
            <v1.Person.GivenName> George </v1.Person.GivenName>
            <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
            <v1.Person.Surname> Smith</v1.Person.Surname>
          </v1.PersonName>
        </v1.Cust.PersonName>
        <v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work" DynSeq="0">
          <v1.Telephone>
            <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
            <v1.Phone.Number>813-8532</v1.Phone.Number>
          </v1.Telephone>
        </v1.Cust.Telephone>
        <v1.Cust.Telephone PhoneTech="Fax" PhoneUse="Work" DynSeq="1">
          <v1.Telephone>
            <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
            <v1.Phone.Number>813-8698</v1.Phone.Number>
          </v1.Telephone>
        </v1.Cust.Telephone>
        <v1.Cust.PaymentForm>
          <v1.Cust.Pay.CreditCard CardType="Credit"
            PayFormReferName="WorkMastercard" DynSeq="0">
            <v1.Cust.Pay.Card.Number>M:4356 ... 5677
            </v1.Cust.Pay.Card.Number>
            <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
            </v1.Cust.Pay.Card.ExpiryDate>
          </v1.Cust.Pay.CreditCard>
          <v1.Cust.Pay.CreditCard CardType="Credit"
            PayFormReferName="SpouseVisa" DynSeq="1">
            <v1.Cust.Pay.Card.Number>M:2354 ... 5767
            </v1.Cust.Pay.Card.Number>
            <v1.Cust.Pay.Card.ExpiryDate>2002-12-01
            </v1.Cust.Pay.Card.ExpiryDate>
          </v1.Cust.Pay.CreditCard>
          <v1.Cust.Pay.DirectBill DirectBill_Id="323453"
            PayFormReferName="ConX_Invoice">
            <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
            </v1.Cust.Pay.Direct.CompanyName>
            <v1.Cust.Pay.Direct.Address>
              <v1.Address>
                <v1.Addr.StreetNmbr POBox="4321-01">1200
                Yakima St</v1.Addr.StreetNmbr>
                <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
                <v1.Addr.CityName>Seattle</v1.Addr.CityName>
                <v1.Addr.StateProv PostalCode="98108">WA
                </v1.Addr.StateProv>
              </v1.Address>
            </v1.Cust.Pay.Direct.Address>
          </v1.Cust.Pay.DirectBill>
        </v1.Cust.PaymentForm>
      </v1.Customer>
    </v1.CustProfile>
  </v1.CustProfileReadAllRS>
</v1.Content>

```

```

        <v1.Addr.CountryName>USA</v1.Addr.CountryName>
      </v1.Address>
    </v1.Cust.Pay.Direct.Address>
  </v1.Cust.Pay.DirectBill>
</v1.Cust.PaymentForm>
<v1.Cust.RelatedTraveler Relation="Spouse" DynSeq="0">
  <v1.UniqueId>
    <v1.ResourceId>7005-548-705</v1.ResourceId>
  </v1.UniqueId>
  <v1.Cust.Related.PersonName>
    <v1.PersonName>
      <v1.Person.NameTitle>Mrs.</v1.Person.NameTitle>
      <v1.Person.GivenName>Kristen</v1.Person.GivenName>
      <v1.Person.MiddleInitial>L.</v1.Person.MiddleInitial>
      <v1.Person.Surname>Smith</v1.Person.Surname>
    </v1.PersonName>
  </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
<v1.Cust.RelatedTraveler Relation="Child" DynSeq="1">
  <v1.UniqueId>
    <v1.ResourceId>7005-548-703</v1.ResourceId>
  </v1.UniqueId>
  <v1.Cust.Related.PersonName>
    <v1.PersonName>
      <v1.Person.NameTitle>Mr.</v1.Person.NameTitle>
      <v1.Person.GivenName>Devin</v1.Person.GivenName>
      <v1.Person.MiddleInitial>R.</v1.Person.MiddleInitial>
      <v1.Person.Surname>Smith</v1.Person.Surname>
    </v1.PersonName>
  </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
<v1.Cust.RelatedTraveler Relation="Child" DynSeq="2">
  <v1.UniqueId>
    <v1.ResourceId>7005-548-704</v1.ResourceId>
  </v1.UniqueId>
  <v1.Cust.Related.PersonName>
    <v1.PersonName>
      <v1.Person.NameTitle>Ms.</v1.Person.NameTitle>
      <v1.Person.GivenName>Amy</v1.Person.GivenName>
      <v1.Person.MiddleInitial>E.</v1.Person.MiddleInitial>
      <v1.Person.Surname>Smith</v1.Person.Surname>
    </v1.PersonName>
  </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
</v1.Customer>
</v1.CustProfile>
</v1.CustProfileReadAllRS>
</v1.Content>
</OTA_v1>

```

Update request message

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:30:20" EchoToken="01239882" Target="Production"
  GeoCode="+4732-12218">

```

```

<v1.Control>
  <v1.Session Identity="ConXTravel Co" URI="http://ota.ConXTravel.com">
    <v1.Credential Method="MegaSecure">trewq</v1.Credential>
    <v1.Principal Identity="CompanyPrincipal"/>
  </v1.Session>
</v1.Control>
<v1.Content>
  <v1.CustProfileUpdateRQ>
    <v1.UniqueId>
      <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
    </v1.UniqueId>
    <v1.Verify>
      <v1.CustProfile ShareAllMarketInd = "No" ShareAllSynchInd = "Yes">
        <v1.Customer>
          <v1.Cust.PersonName NameType = "Default">
            <v1.PersonName>
              <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
              <v1.Person.GivenName> George </v1.Person.GivenName>
              <v1.Person.MiddleInitial>A. </v1.Person.MiddleInitial>
              <v1.Person.Surname> Smith</v1.Person.Surname>
            </v1.PersonName>
          </v1.Cust.PersonName>
          <v1.Cust.PaymentForm>
            <v1.Cust.Pay.CreditCard CardType="Credit">
              PayFormReferName="WorkMastercard" DynSeq="0">
                <v1.Cust.Pay.Card.Number>M:4356 ... 5677
              </v1.Cust.Pay.Card.Number>
              <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
            </v1.Cust.Pay.Card.ExpiryDate>
            </v1.Cust.Pay.CreditCard>
            <v1.Cust.Pay.CreditCard CardType="Credit">
              PayFormReferName="SpouseVisa" DynSeq="1">
                <v1.Cust.Pay.Card.Number>M:2354 ... 5767
              </v1.Cust.Pay.Card.Number>
              <v1.Cust.Pay.Card.ExpiryDate>2002-12-01
            </v1.Cust.Pay.Card.ExpiryDate>
            </v1.Cust.Pay.CreditCard>
            <v1.Cust.Pay.DirectBill DirectBill_Id="323453">
              PayFormReferName="ConX_Invoice">
                <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
              </v1.Cust.Pay.Direct.CompanyName>
              <v1.Cust.Pay.Direct.Address>
                <v1.Address>
                  <v1.Addr.StreetNmbr POBox="4321-01">
                    1200 Yakima St</v1.Addr.StreetNmbr>
                  <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
                  <v1.Addr.CityName>Seattle</v1.Addr.CityName>
                  <v1.Addr.StateProv PostalCode="98108">WA
                </v1.Addr.StateProv>
                <v1.Addr.CountryName>USA</v1.Addr.CountryName>
              </v1.Address>
            </v1.Cust.Pay.Direct.Address>
          </v1.Cust.Pay.DirectBill>
        </v1.Cust.PaymentForm>
      </v1.Customer>
    </v1.CustProfile>
  </v1.Verify>

```

```

<v1.Remove>
  <v1.CustProfile ShareAllMarketInd = "No" ShareAllSynchInd = "Yes">
    <v1.Customer>
      <v1.Cust.PersonName ValidRepeatInd = "Yes">
        <v1.PersonName>
          <v1.Person.Surname> Smith</v1.Person.Surname>
        </v1.PersonName>
      </v1.Cust.PersonName>
      <v1.Cust.PaymentForm AllChildElements = "Yes">
        <v1.Cust.Pay.DirectBill DirectBill_Id="323453"
          PayFormReferName="ConX_Invoice">
          <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
        </v1.Cust.Pay.Direct.CompanyName>
        <v1.Cust.Pay.Direct.Address>
          <v1.Address>
            <v1.Addr.StreetNmbr POBox="4321-01">1200 Yakima St
          </v1.Addr.StreetNmbr>
          <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
          <v1.Addr.CityName>Seattle</v1.Addr.CityName>
          <v1.Addr.StateProv PostalCode="98108">WA
          </v1.Addr.StateProv>
          <v1.Addr.CountryName>USA</v1.Addr.CountryName>
        </v1.Address>
      </v1.Cust.Pay.Direct.Address>
    </v1.Cust.Pay.DirectBill>
  </v1.Cust.PaymentForm>
</v1.Customer>
</v1.CustProfile>
</v1.Remove>
</v1.CustProfileUpdaterRQ>
</v1.Content>
</OTA_v1>

```

Update response message

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:30:25" EchoToken="01239882" Target="Production"
  GeoCode="+3018-9742">
  <v1.Control>
    <v1.SendBy Identity="LoneStarAir" URI="http://ota.LoneStarAir.com">
      <v1.Credential Method="JunkYardDog">bvc098cxz</v1.Credential>
    </v1.SendBy>
  </v1.Control>
  <v1.Content>
    <v1.CustProfileUpdaterRS Success="Yes">
    <v1.UniqueId>
      <v1.TradingPartner>
        <v1.CompanyCode CodeContext="FedTaxID">654-987123478</v1.CompanyCode>
      </v1.TradingPartner>
      <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
    </v1.UniqueId>
    <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
      <v1.Customer>
        <v1.Cust.PersonName NameType="Default">
          <v1.PersonName>

```

```

        <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
        <v1.Person.GivenName> George </v1.Person.GivenName>
        <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
        <v1.Person.Surname> Smith</v1.Person.Surname>
    </v1.PersonName>
</v1.Cust.PersonName>
<v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work" DynSeq="0">
    <v1.Telephone>
        <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
        <v1.Phone.Number>813-8532</v1.Phone.Number>
    </v1.Telephone>
</v1.Cust.Telephone>
<v1.Cust.Telephone PhoneTech="Fax" PhoneUse="Work" DynSeq="1">
    <v1.Telephone>
        <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
        <v1.Phone.Number>813-8698</v1.Phone.Number>
    </v1.Telephone>
</v1.Cust.Telephone>
<v1.Cust.PaymentForm>
    <v1.Cust.Pay.CreditCard CardType="Credit"
        PayFormReferName="WorkMastercard" DynSeq="0">
        <v1.Cust.Pay.Card.Number>M:4356 ... 5677
        </v1.Cust.Pay.Card.Number>
        <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
        </v1.Cust.Pay.Card.ExpiryDate>
    </v1.Cust.Pay.CreditCard>
    <v1.Cust.Pay.CreditCard CardType="Credit"
        PayFormReferName="SpouseVisa" DynSeq="1">
        <v1.Cust.Pay.Card.Number>M:2354 ... 5767
        </v1.Cust.Pay.Card.Number>
        <v1.Cust.Pay.Card.ExpiryDate>2002-12-01
        </v1.Cust.Pay.Card.ExpiryDate>
    </v1.Cust.Pay.CreditCard>
</v1.Cust.PaymentForm>
<v1.Cust.RelatedTraveler Relation="Spouse" DynSeq="0">
    <v1.UniqueId>
        <v1.ResourceId>7005-548-705</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
        <v1.PersonName>
            <v1.Person.NameTitle>Mrs.</v1.Person.NameTitle>
            <v1.Person.GivenName>Kristen</v1.Person.GivenName>
            <v1.Person.MiddleInitial>L.</v1.Person.MiddleInitial>
            <v1.Person.Surname>Smith</v1.Person.Surname>
        </v1.PersonName>
    </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
<v1.Cust.RelatedTraveler Relation="Child" DynSeq="1">
    <v1.UniqueId>
        <v1.ResourceId>7005-548-703</v1.ResourceId>
    </v1.UniqueId>
    <v1.Cust.Related.PersonName>
        <v1.PersonName>
            <v1.Person.NameTitle>Mr.</v1.Person.NameTitle>
            <v1.Person.GivenName>Devin</v1.Person.GivenName>
            <v1.Person.MiddleInitial>R.</v1.Person.MiddleInitial>
            <v1.Person.Surname>Smith</v1.Person.Surname>
        </v1.PersonName>
    </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>

```

```

        </v1.PersonName>
      </v1.Cust.Related.PersonName>
    </v1.Cust.RelatedTraveler>
    <v1.Cust.RelatedTraveler Relation="Child" DynSeq="2">
      <v1.UniqueId>
        <v1.ResourceId>7005-548-704</v1.ResourceId>
      </v1.UniqueId>
      <v1.Cust.Related.PersonName>
        <v1.PersonName>
          <v1.Person.NameTitle>Ms.</v1.Person.NameTitle>
          <v1.Person.GivenName>Amy</v1.Person.GivenName>
          <v1.Person.MiddleInitial>E.</v1.Person.MiddleInitial>
          <v1.Person.Surname>Smith</v1.Person.Surname>
        </v1.PersonName>
      </v1.Cust.Related.PersonName>
    </v1.Cust.RelatedTraveler>
  </v1.Customer>
</v1.CustProfile>
</v1.CustProfileUpdateRS>
</v1.Content>
</OTA_v1>

```

2.3 Use of all sub-actions: change telephone number, add children and spouse, add spouse's credit card after work credit card, remove direct billing

ReadAll message exchange

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:40:00" EchoToken="01239890" Target="Production"
  GeoCode="+4732-12218">
  <v1.Control>
    <v1.Session Identity="ConXTravel Co" URI="http://ota.ConXTravel.com">
      <v1.Credential Method="MegaSecure">trewq</v1.Credential>
      <v1.Principal Identity="CompanyPrincipal">
        </v1.Principal>
      </v1.Session>
    </v1.Control>
    <v1.Content>
      <v1.CustProfileReadAllRQ>
        <v1.UniqueId>
          <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
        </v1.UniqueId>
      </v1.CustProfileReadAllRQ>
    </v1.Content>
  </OTA_v1>

```

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:40:10" EchoToken="01239890" Target="Production"
  GeoCode="+3018-9742">
  <v1.Control>
    <v1.SendBy Identity="LoneStarAir" URI="http://ota.LoneStarAir.com">
      <v1.Credential Method="JunkYardDog">bvc098cxz</v1.Credential>
    </v1.SendBy>
  </v1.Control>

```

```

</v1.Control>
<v1.Content>
  <v1.CustProfileReadAllRS Success="Yes">
    <v1.UniqueId>
      <v1.TradingPartner>
        <v1.CompanyCode CodeContext="FedTaxID">654-987123478
        </v1.CompanyCode>
      </v1.TradingPartner>
      <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
    </v1.UniqueId>
    <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
      <v1.Customer>
        <v1.Cust.PersonName NameType="Default">
          <v1.PersonName>
            <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
            <v1.Person.GivenName> George </v1.Person.GivenName>
            <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
            <v1.Person.Surname> Smith</v1.Person.Surname>
          </v1.PersonName>
        </v1.Cust.PersonName>
        <v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work" DynSeq="0">
          <v1.Telephone>
            <v1.Phone.AreaCityCode>206</v1.Phone.AreaCityCode>
            <v1.Phone.Number>813-8532</v1.Phone.Number>
          </v1.Telephone>
        </v1.Cust.Telephone>
        <v1.Cust.Telephone PhoneTech="Fax" PhoneUse="Work" DynSeq="1">
          <v1.Telephone>
            <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
            <v1.Phone.Number>813-8698</v1.Phone.Number>
          </v1.Telephone>
        </v1.Cust.Telephone>
        <v1.Cust.PaymentForm>
          <v1.Cust.Pay.CreditCard CardType="Credit"
            PayFormReferName="WorkMastercard">
            <v1.Cust.Pay.Card.Number>M:4356 ... 5677
            </v1.Cust.Pay.Card.Number>
            <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
            </v1.Cust.Pay.Card.ExpiryDate>
          </v1.Cust.Pay.CreditCard>
          <v1.Cust.Pay.DirectBill DirectBill_Id="323453"
            PayFormReferName="ConX_Invoice">
            <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
            </v1.Cust.Pay.Direct.CompanyName>
            <v1.Cust.Pay.Direct.Address>
              <v1.Address>
                <v1.Addr.StreetNmbr POBox="4321-01">1200
                Yakima St</v1.Addr.StreetNmbr>
                <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
                <v1.Addr.CityName>Seattle </v1.Addr.CityName>
                <v1.Addr.StateProv PostalCode="98108">WA
                </v1.Addr.StateProv>
                <v1.Addr.CountryName>USA</v1.Addr.CountryName>
              </v1.Address>
            </v1.Cust.Pay.Direct.Address>
          </v1.Cust.Pay.DirectBill>
        </v1.Cust.PaymentForm>
      </v1.Customer>
    </v1.CustProfile>
  </v1.CustProfileReadAllRS>
</v1.Content>

```



```

        </v1.Customer>
    </v1.CustProfile>
</v1.CustProfileReadAllRS>
</v1.Content>
</OTA_v1>

```

Update request message

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:42:30" EchoToken="01239892" Target="Production"
    GeoCode="+4732-12218">
    <v1.Control>
        <v1.Session Identity="ConXTravel Co" URI="http://ota.ConXTravel.com">
            <v1.Credential Method="MegaSecure">trewq</v1.Credential>
            <v1.Principal Identity="CompanyPrincipal">
                </v1.Principal>
            </v1.Session>
        </v1.Control>
        <v1.Content>
            <v1.CustProfileUpdateRQ>
                <v1.UniqueId>
                    <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
                </v1.UniqueId>
                <v1.Verify>
                    <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
                        <v1.Customer>
                            <v1.Cust.PersonName NameType="Default">
                                <v1.PersonName AllChildElements="Yes">
                                    <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
                                    <v1.Person.GivenName> George </v1.Person.GivenName>
                                    <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
                                    <v1.Person.Surname> Smith</v1.Person.Surname>
                                </v1.PersonName>
                            </v1.Cust.PersonName>
                            <v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work"
                                DynSeq="0">
                                <v1.Telephone>
                                    <v1.Phone.AreaCityCode>206</v1.Phone.AreaCityCode>
                                    <v1.Phone.Number>813-8532</v1.Phone.Number>
                                </v1.Telephone>
                            </v1.Cust.Telephone>
                            <v1.Cust.Telephone PhoneTech="Fax" PhoneUse="Work" DynSeq="1">
                                <v1.Telephone>
                                    <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
                                    <v1.Phone.Number>813-8698</v1.Phone.Number>
                                </v1.Telephone>
                            </v1.Cust.Telephone>
                            <v1.Cust.PaymentForm AllChildElements="Yes">
                                <v1.Cust.Pay.CreditCard CardType="Credit"
                                    PayFormReferName="WorkMastercard" DynSeq="0">
                                    <v1.Cust.Pay.Card.Number>M:4356 ... 5677
                                </v1.Cust.Pay.Card.Number>
                                <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
                                </v1.Cust.Pay.Card.ExpiryDate>
                                </v1.Cust.Pay.CreditCard>
                            </v1.Cust.PaymentForm>
                        </v1.Customer>
                    </v1.CustProfile>
                </v1.Verify>
            </v1.CustProfileUpdateRQ>
        </v1.Content>
    </v1.Control>
</OTA_v1>

```

```

    <v1.Cust.Pay.DirectBill DirectBill_Id="323453"
      PayFormReferName="ConX_Invoice">
      <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
    </v1.Cust.Pay.Direct.CompanyName>
    <v1.Cust.Pay.Direct.Address>
      <v1.Address AllChildElements="Yes">
        <v1.Addr.StreetNmbr POBox="4321-01">1200 Yakima
          St</v1.Addr.StreetNmbr>
        <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
        <v1.Addr.CityName>Seattle</v1.Addr.CityName>
        <v1.Addr.StateProv PostalCode="98108">WA
        </v1.Addr.StateProv>
        <v1.Addr.CountryName>USA</v1.Addr.CountryName>
      </v1.Address>
    </v1.Cust.Pay.Direct.Address>
  </v1.Cust.Pay.DirectBill>
</v1.Cust.PaymentForm>
</v1.Customer>
</v1.CustProfile>
</v1.Verify>
<v1.Remove>
  <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
    <v1.Customer>
      <v1.Cust.PersonName ValidRepeatInd="Yes">
        <v1.PersonName>
          <v1.Person.Surname> Smith</v1.Person.Surname>
        </v1.PersonName>
      </v1.Cust.PersonName>
      <v1.Cust.PaymentForm AllChildElements="Yes">
        <v1.Cust.Pay.DirectBill DirectBill_Id="323453"
          PayFormReferName="ConX_Invoice">
          <v1.Cust.Pay.Direct.CompanyName>ConXTravel Co
        </v1.Cust.Pay.Direct.CompanyName>
        <v1.Cust.Pay.Direct.Address>
          <v1.Address AllChildElements="Yes">
            <v1.Addr.StreetNmbr POBox="4321-01">1200 Yakima
              St</v1.Addr.StreetNmbr>
            <v1.Addr.BldgRoom>Suite 800</v1.Addr.BldgRoom>
            <v1.Addr.CityName>Seattle</v1.Addr.CityName>
            <v1.Addr.StateProv PostalCode="98108">WA
            </v1.Addr.StateProv>
            <v1.Addr.CountryName>USA</v1.Addr.CountryName>
          </v1.Address>
        </v1.Cust.Pay.Direct.Address>
      </v1.Cust.Pay.DirectBill>
    </v1.Cust.PaymentForm>
  </v1.Customer>
</v1.CustProfile>
</v1.Remove>
<v1.Set>
  <v1.CustProfile>
    <v1.Customer>
      <v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work"
        DynSeq="0">
      <v1.Telephone>
        <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
        <v1.Phone.Number>813-8532</v1.Phone.Number>
      </v1.Telephone>
    </v1.Customer>
  </v1.CustProfile>
</v1.Set>

```

```

        </v1.Telephone>
      </v1.Cust.Telephone>
    </v1.Customer>
  </v1.CustProfile>
</v1.Set>
<v1.Insert>
  <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
    <v1.Customer>
      <v1.Cust.PersonName ValidRepeatInd="Yes">
        <v1.PersonName>
          <v1.Person.Surname> Smith</v1.Person.Surname>
        </v1.PersonName>
      </v1.Cust.PersonName>
      <v1.Cust.PaymentForm AllChildElements="Yes">
        <v1.Cust.Pay.CreditCard CardType="Credit"
          PayFormReferName="SpouseVisa" AftDynSeq="0">
          <v1.Cust.Pay.Card.Number>M:2354 ... 5767
          </v1.Cust.Pay.Card.Number>
          <v1.Cust.Pay.Card.ExpiryDate>2002-12-01
          </v1.Cust.Pay.Card.ExpiryDate>
        </v1.Cust.Pay.CreditCard>
      </v1.Cust.PaymentForm>
    </v1.Customer>
  </v1.CustProfile>
</v1.Insert>
<v1.Add>
  <v1.CustProfile>
    <v1.Customer>
      <v1.Cust.PersonName ValidRepeatInd="Yes">
        <v1.PersonName>
          <v1.Person.Surname> Smith</v1.Person.Surname>
        </v1.PersonName>
      </v1.Cust.PersonName>
      <v1.Cust.RelatedTraveler Relation="Spouse" DynSeq="0">
        <v1.UniqueId>
          <v1.ResourceId>7005-548-705</v1.ResourceId>
        </v1.UniqueId>
        <v1.Cust.Related.PersonName>
          <v1.PersonName>
            <v1.Person.NameTitle>Mrs.</v1.Person.NameTitle>
            <v1.Person.GivenName>Kristen</v1.Person.GivenName>
            <v1.Person.MiddleInitial>L.</v1.Person.MiddleInitial>
            <v1.Person.Surname>Smith</v1.Person.Surname>
          </v1.PersonName>
        </v1.Cust.Related.PersonName>
      </v1.Cust.RelatedTraveler>
      <v1.Cust.RelatedTraveler Relation="Child" DynSeq="1">
        <v1.UniqueId>
          <v1.ResourceId>7005-548-703</v1.ResourceId>
        </v1.UniqueId>
        <v1.Cust.Related.PersonName>
          <v1.PersonName>
            <v1.Person.NameTitle>Mr.</v1.Person.NameTitle>
            <v1.Person.GivenName>Devin</v1.Person.GivenName>
            <v1.Person.MiddleInitial>R.</v1.Person.MiddleInitial>
            <v1.Person.Surname>Smith</v1.Person.Surname>
          </v1.PersonName>
        </v1.Cust.Related.PersonName>
      </v1.Cust.RelatedTraveler>
    </v1.Customer>
  </v1.CustProfile>
</v1.Add>

```

```

        </v1.Cust.Related.PersonName>
    </v1.Cust.RelatedTraveler>
    <v1.Cust.RelatedTraveler Relation="Child" DynSeq="2">
        <v1.UniqueId>
            <v1.ResourceId>7005-548-704</v1.ResourceId>
        </v1.UniqueId>
        <v1.Cust.Related.PersonName>
            <v1.PersonName>
                <v1.Person.NameTitle>Ms.</v1.Person.NameTitle>
                <v1.Person.GivenName>Amy</v1.Person.GivenName>
                <v1.Person.MiddleInitial>E.</v1.Person.MiddleInitial>
                <v1.Person.Surname>Smith</v1.Person.Surname>
            </v1.PersonName>
        </v1.Cust.Related.PersonName>
    </v1.Cust.RelatedTraveler>
</v1.Customer>
</v1.CustProfile>
</v1.Add>
</v1.CustProfileUpdaterQ>
</v1.Content>
</OTA_v1>

```

Update response message

```

<?xml version="1.0"?>
<!DOCTYPE OTA_v1 SYSTEM "OTA_v1.dtd">
<OTA_v1 Timestamp="2000-11-15T19:42:40" EchoToken="01239892" Target="Production"
    GeoCode="+3018-9742">
    <v1.Control>
        <v1.SendBy Identity="LoneStarAir" URI="http://ota.LoneStarAir.com">
            <v1.Credential Method="JunkYardDog">bvc098cxz</v1.Credential>
        </v1.SendBy>
    </v1.Control>
    <v1.Content>
        <v1.CustProfileUpdaterRS Success="Yes">
            <v1.UniqueId>
            <v1.TradingPartner>
                <v1.CompanyCode CodeContext="FedTaxID">654-987123478</v1.CompanyCode>
            </v1.TradingPartner>
            <v1.ResourceId>XYA3:ConX_Smith/George(0)</v1.ResourceId>
        </v1.UniqueId>
        <v1.CustProfile ShareAllMarketInd="No" ShareAllSynchInd="Yes">
            <v1.Customer>
                <v1.Cust.PersonName NameType="Default">
                    <v1.PersonName>
                        <v1.Person.NameTitle> Mr. </v1.Person.NameTitle>
                        <v1.Person.GivenName> George </v1.Person.GivenName>
                        <v1.Person.MiddleInitial> A. </v1.Person.MiddleInitial>
                        <v1.Person.Surname> Smith</v1.Person.Surname>
                    </v1.PersonName>
                </v1.Cust.PersonName>
                <v1.Cust.Telephone PhoneTech="Voice" PhoneUse="Work" DynSeq="0">
                    <v1.Telephone>
                        <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
                        <v1.Phone.Number>813-8532</v1.Phone.Number>
                    </v1.Telephone>
                </v1.Cust.Telephone>
            </v1.Customer>
        </v1.CustProfile>
    </v1.Content>
</OTA_v1>

```

```

</v1.Cust.Telephone>
<v1.Cust.Telephone PhoneTech="Fax" PhoneUse="Work" DynSeq="1">
  <v1.Telephone>
    <v1.Phone.AreaCityCode>253</v1.Phone.AreaCityCode>
    <v1.Phone.Number>813-8698</v1.Phone.Number>
  </v1.Telephone>
</v1.Cust.Telephone>
<v1.Cust.PaymentForm>
  <v1.Cust.Pay.CreditCard CardType="Credit"
    PayFormReferName="WorkMastercard" DynSeq="0">
    <v1.Cust.Pay.Card.Number>M:4356 ... 5677
  </v1.Cust.Pay.Card.Number>
  <v1.Cust.Pay.Card.ExpiryDate>2001-12-31
  </v1.Cust.Pay.Card.ExpiryDate>
</v1.Cust.Pay.CreditCard>
  <v1.Cust.Pay.CreditCard CardType="Credit"
    PayFormReferName="SpouseVisa" DynSeq="1">
    <v1.Cust.Pay.Card.Number>M:2354 ... 5767
  </v1.Cust.Pay.Card.Number>
  <v1.Cust.Pay.Card.ExpiryDate>2002-12-01
  </v1.Cust.Pay.Card.ExpiryDate>
</v1.Cust.Pay.CreditCard>
</v1.Cust.PaymentForm>
<v1.Cust.RelatedTraveler Relation="Spouse" DynSeq="0">
  <v1.UniqueId>
    <v1.ResourceId>7005-548-705</v1.ResourceId>
  </v1.UniqueId>
  <v1.Cust.Related.PersonName>
    <v1.PersonName>
      <v1.Person.NameTitle>Mrs.</v1.Person.NameTitle>
      <v1.Person.GivenName>Kristen</v1.Person.GivenName>
      <v1.Person.MiddleInitial>L.</v1.Person.MiddleInitial>
      <v1.Person.Surname>Smith</v1.Person.Surname>
    </v1.PersonName>
  </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
<v1.Cust.RelatedTraveler Relation="Child" DynSeq="1">
  <v1.UniqueId>
    <v1.ResourceId>7005-548-703</v1.ResourceId>
  </v1.UniqueId>
  <v1.Cust.Related.PersonName>
    <v1.PersonName>
      <v1.Person.NameTitle>Mr.</v1.Person.NameTitle>
      <v1.Person.GivenName>Devin</v1.Person.GivenName>
      <v1.Person.MiddleInitial>R.</v1.Person.MiddleInitial>
      <v1.Person.Surname>Smith</v1.Person.Surname>
    </v1.PersonName>
  </v1.Cust.Related.PersonName>
</v1.Cust.RelatedTraveler>
<v1.Cust.RelatedTraveler Relation="Child" DynSeq="2">
  <v1.UniqueId>
    <v1.ResourceId>7005-548-704</v1.ResourceId>
  </v1.UniqueId>
  <v1.Cust.Related.PersonName>
    <v1.PersonName>
      <v1.Person.NameTitle>Ms.</v1.Person.NameTitle>
      <v1.Person.GivenName>Amy</v1.Person.GivenName>

```

```
        <v1.Person.MiddleInitial>E.</v1.Person.MiddleInitial>
        <v1.Person.Surname>Smith</v1.Person.Surname>
      </v1.PersonName>
    </v1.Cust.Related.PersonName>
  </v1.Cust.RelatedTraveler>
</v1.Customer>
</v1.CustProfile>
</v1.CustProfileUpdateRS>
</v1.Content>
</OTA_v1>
```

3 Additional hotel attributes

3.1 Hotel property amenities (HotelPropAmenity)

Air Conditioning
Airline Desk
Airport Shuttle
Babysitting/Childcare
Business Center
Car Rental
Childrens Services and facilities
Concierge/ Club
Floors
Concierge Services
Copy Service
Complimentary Breakfast,
Coffee,
Currency Exchange
Elevator
Exhibition Space
Express Check-Out
24-hour front desk
Garage
Gift Shop/Newsstand
24-hour Front Desk
Free Parking
Self Parking
Valet Parking
Indoor Parking Lot,
Outdoor Parking Lot,
Medical Facilities
Newspapers
Non Smoking Rooms
Parking Lot
Shops/Commercial Services
Safe Deposit Box-Front Desk
Translation Services
24-hour Room Service
Room service - limited hours
Room Service - full menu
Room Service - Limited Menu
Post/Parcel Service

3.2 Hotel room amenities (HotelRmAmenity)

Add'l closet for hanging garments	Ironing board in room
Air conditioning in room	Internet access
Alarm clock in room	International direct dial
Balcony	Iron/ironing board
Bathrobe in room	Lanai
Bathroom shared	Long-distance access
Bathroom amenities	Marble bathroom
Bathtub -Jazucci tub	Microwave
Jazucci/hot tub separate	Minibar in room
Bathtub-oversized	Movies in room
Bathtub/shower	Newspaper
Bidet	Phone in bathroom
Butler Service	Printer
Cable tv in room	Private bath in room
CD Player	Radio in room
Ceiling Fan	Refrigerator in room
Clothes Press	Remote control TV in room
Clock radio	Shower stall
CNN or other new in room	Safe in room
Coffee maker/tea	Sauna
Color TV in room	Steambath
Copier	Shoe polisher
Desk	Sofabed/rollaway/Z-Bed
Dataport or RJ11 phone jack in room	Smoke detector
Direct dial in room	Soundproofed
Desk	Speaker phone
Double glazed windows	Stereo system
Down/feather pillows	Tables/chairs
Fax in room	Two line phone in room
Fireplace in room	Turndown service
Foam pillows	VCR
Full kitchen in room	Voicemail
Hair dryer in room	Walk-in Wardrobe
Handicapped facilities	Weight scale
Hearing impaired services	Wet bar
High ceiling	Work desk with lamp in room

3.3 Hotel recreation services (HotelRecreSrv)

Beach	Indoor Pool
Bicycling	Outdoor Pool
Billiards/Snooker	Raquetball
Casino	Scuba
Children's activities	Surfing
Cardio Vascular	Sailing/Boating
Communal Bar Area	Swimming
Cricket	Snorkeling
Equipment	Snow skiing
Fishing	Solarium
Game Viewing/Safari	Sauna
Golf	Squash
Jogging Track	Table Tennis
Extensive health Club	Tennis
Limited Health Club	Tour bus
Health spa/massage	Theater
Hiking	Volleyball
Horseback riding	Water sports
Hunting	Winter sports
Karaoke	Wine tasing
Mountain Biking	Weightlifting equip
Museums/Galleries	Whirlpool
Nature preserves/trails	

3.4 Hotel security features (HotelSecurFeatr)

24 Hour Security	Parking attendant
Alarms have Strobe Lights	Public Address System
Audible Alarms	Room door has deadbolts
Auto Recall Elevators	Room Windows Open
Automatic Fire Doors	Secondary locks on windows
Balconies accessible by adjoining rooms	Secured Floors
Emergency Evacuation Drill Frequency	Separate Floors for Women
Emergency Evacuation Plan	Sliding glass door has secondary locks
Emergency Info in Rooms	Smoke Alarm in Halls
Emergency Lighting	Smoke Alarm in Public Areas
Exit Map in Rooms	Smoke Alarm in Rooms
Exit Sign Lit	Smoke Alarms Hard Wired
Fire Detectors in Hall	Sprinkler in Public Areas
Fire Detectors in Public Areas	Sprinkler in Rooms
Fire Detectors in Rooms	Sprinklers in Halls
First Aid Available	Staff Trained in CPR
Guest room doors have View Port	Staff Trained in Duplicate Key Issuance
Meets Fire Safety Codes	Staff Trained in First Aid
Multiple Fire Exits on Each Floor	Uniformed Security on Premises
Parking Area Patrolled	Ventilation
Parking Area Well Lit	

4 Excerpts from Standard for Internet Commerce, version 1.0, 14 December 1999

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4.4 Privacy & Security

4.4.1 Disclosure of Merchant's Privacy Policy

As a minimum acceptable standard, the merchant shall provide at least the following information on their privacy policies:

- What customer information is gathered by the merchant and where it is gathered
- The purposes the merchant uses the customer data for
- Whether the merchant provides customer data to third parties and under what circumstances
- Whether the receipt of customer data is an integrated part of the merchant's business model such as in the case of a targeted marketing service such as couponing, an incentive program, or targeted e-mail service
- Whether customers have the opportunity to limit the use of their personal information (Opt in/Opt out) and how they can do so

This corresponds with the "standard" privacy policy information as defined by groups such as TRUSTe.

4.4.2 Access to Merchant's Privacy Policy

As a minimum acceptable standard, the merchant shall provide access to its privacy policy via a "Privacy" link:

- On the merchant's home page
- On the merchant's Information Center

Easy access to privacy policy provides better disclosure and helps build customer trust and confidence.

4.4.3 Customer Choice: Use of Personal Data by the Merchant

Merchants shall provide the customer with the ability to choose that the customer's personal information will not be used by the merchant to send the customer unsolicited materials and the choice will be provided at least at the time the customer's data is initially gathered

This is a minimum acceptable standard.

Providing the customer control over receipt of unsolicited materials can strengthen the relationship between merchant and customer. When it is the customer's choice to receive materials, readership increases, and customers have a more positive perception of the merchant. Requiring that merchants allow customers to change their choice may place a burden on the merchant, even though such a practice is desirable.

4.4.4 Customer Choice: Use of Personal Data by Third Parties

Merchants shall provide the customer with the ability to choose that the customer's personal information will not be provided by the merchant to third parties and the choice will be provided at least at the time the customer's data is initially gathered.

This is a minimum acceptable standard.

Providing the customer control over the sale or use of their personal data can strengthen the relationship between customer and merchant. Merchants will always be required to comply with relevant laws that may be more restrictive than the policies specified by The Standard for Internet Commerce.

4.4.5 Disclosure of Third-Party Privacy and Security Policies

In the merchant's Information Center and Privacy Policy description, the merchant shall provide links to the privacy and security policies of their relevant third parties (e.g., shopping cart and payment gateway services) when those third parties have privacy and security policies that are different from the merchant's.

This is a minimum acceptable standard.

5 RFC 2110

Network Working Group
Request for Comments: 2119
BCP: 14
Category: Best Current Practice

S. Bradner
Harvard University
March 1997

Key words for use in RFCs to Indicate Requirement Levels

Status of this Memo

This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements. Distribution of this memo is unlimited.

Abstract

In many standards track documents several words are used to signify the requirements in the specification. These words are often capitalized. This document defines these words as they should be interpreted in IETF documents. Authors who follow these guidelines should incorporate this phrase near the beginning of their document:

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 RFC 2119.

Note that the force of these words is modified by the requirement level of the document in which they are used.

1. **MUST** This word, or the terms "REQUIRED" or "SHALL", mean that the definition is an absolute requirement of the specification.
2. **MUST NOT** This phrase, or the phrase "SHALL NOT", mean that the definition is an absolute prohibition of the specification.
3. **SHOULD** This word, or the adjective "RECOMMENDED", mean that there may exist valid reasons in particular circumstances to ignore a particular item, but the full implications must be understood and carefully weighed before choosing a different course.
4. **SHOULD NOT** This phrase, or the phrase "NOT RECOMMENDED" mean that there may exist valid reasons in particular circumstances when the particular behavior is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behavior described with this label.

5. MAY This word, or the adjective "OPTIONAL", mean that an item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because the vendor feels that it enhances the product while another vendor may omit the same item. An implementation which does not include a particular option MUST be prepared to interoperate with another implementation which does include the option, though perhaps with reduced functionality. In the same vein an implementation which does include a particular option MUST be prepared to interoperate with another implementation which does not include the option (except, of course, for the feature the option provides.)

6. Guidance in the use of these Imperatives

Imperatives of the type defined in this memo must be used with care and sparingly. In particular, they MUST only be used where it is actually required for interoperation or to limit behavior which has potential for causing harm (e.g., limiting retransmissions) For example, they must not be used to try to impose a particular method on implementors where the method is not required for interoperability.

7. Security Considerations

These terms are frequently used to specify behavior with security implications. The effects on security of not implementing a MUST or SHOULD, or doing something the specification says MUST NOT or SHOULD NOT be done may be very subtle. Document authors should take the time to elaborate the security implications of not following recommendations or requirements as most implementors will not have had the benefit of the experience and discussion that produced the specification.

8. Acknowledgments

The definitions of these terms are an amalgam of definitions taken from a number of RFCs. In addition, suggestions have been incorporated from a number of people including Robert Ullmann, Thomas Narten, Neal McBurnett, and Robert Elz.

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7 Change log

7.1 Final draft

DTDs

Replaced NameType attribute with Relation on Cust.Contact.PersonName
Removed PrefLevel attribute from Cust.Document
Made Pref.Common.PetInfo repeating
Made Pref.Air.PetInfo repeating
Made Pref.Hotel.PetInfo repeating
Added DynSeq, BefDynSeq, AftDynSeq, PrefLevel to new repeating PetInfo elements
Changed ENTITY Ent.v1.CompanyId to contain v1.CompanyCode
Changed v1.Unique Id: v1.TradingPartner (repeating, optional), v1.ResourceId (single, required)
Created v1.CompanyCode element with attribute CodeContext
Changed v1.TradingPartner to include element v1.CompanyCode
Added attribute ResourceContext to v1.ResourceId
Deleted v1.ResourceContext
Added Ent.v1.HasRepeating to v1.PersonName and v1.Address

Document text

Cover. Added explanation about review period and comment procedures.
Acknowledgements. Changed AAI to Airline Automation Inc.
Corrected Figure numbers throughout text
1.1 Added paragraph on specifications and standards; removed the word 'standard' from previous text
1.3 New section on reasons for selecting the customer profile
1.6 (new number) Revised hotel industry section with language proposed by Nick Lanyon
1.7 (new number) Added new section on status of the document, indicating draft for public review and giving review instructions.
2.7 Definitions and conventions. Added text indicating that in the case of conflict between DTD and document, DTD takes precedence.
3.2 Added more explanation and URL for Directory Services Markup Language
3.3.1 Added text on the XML and document type declarations used in XML messages
3.3.4 Tag naming guidelines. Made elementa and attributes the same name lengths, 25 characters.
3.4.1.3 Implementation of versioning. Clarified parent-child element relationships.
3.5.1 Unique identifier. Updated text with changes in UniqueId, TradingPartner, CompanyCode, and ResourceId elements
3.5.1 Unique identifier. Added caveat that this section is still in development
3.5.1.1 Added a new section with UniqueId examples, going from simple to more complex examples.
3.5.2 Create verb. Updated response example with new UniqueId
3.5.3 ReadAll verb. Updated request and response examples with new UniqueId
3.5.4 Update verb. Updated response examples with new UniqueId
3.5.4.2.2 DynSeq. Clarified text on DynSeq values of zero.
3.5.5 Delete verb. Updated request and response examples with new UniqueId

- 5.1 Introduction. Added text about the focus on individual travelers and not corporate travel policies.
- 5.1 Introduction. Added paragraph on DTDs and how they work.
- 5.5.2 Payment form and loyalty program data. Clarified text on the role of these elements.
- 5.5.3 DefaultInd. Clarified the description.
- 5.5.3 Moved BirthDate to previous attribute list. Remove SmokingInd from table.
- 5.5.3 Replaced Nametype attribute with Relation on Cust.Contact.PersonName
- 5.5.3 Removed PrefLevel attribute from Cust.Document
- 5.6 Preferences. Added text to paragraph on collections indicating the need for data in one or more of the Common or travel services elements.
- 5.6.1 Made Pref.Common.PetInfo repeating. Added DynSeq, BefDynSeq, AftDynSeq, PrefLevel attributes
- 5.6.1 Replaced Figure 10
- 5.6.1 Corrected names of Pref.Common,PersonName, Pref.Common.Phone, Pref.Common.Address
- 5.6.3 Made Pref.Air.PetInfo repeating. Added DynSeq, BefDynSeq, AftDynSeq, PrefLevel attributes
- 5.6.3 Replaced Figure 12
- 5.6.4 Made Pref.Hotel.PetInfo repeating. Added DynSeq, BefDynSeq, AftDynSeq, PrefLevel attributes
- 5.6.4 Replaced Figure 13
- 5.8 Changed ResourceContext to Attribute. Created CompanyCode element.
- 5.8 Created CompanyId entity
- 6.1.1 Clarified role of Status attribute
- 6.1.1 Changed last error message to look more realistic
- 7.3.4 Non-repudiation. Added text indicating that standards bodies are preparing security standards
- 7.3.5 Privacy. Added paragraph on use of the GeoCode to alert to special privacy requirements

Appendices

- Updated OTA_v1.dtd
- Replaced Update response examples with new UniqueId elements
- Added Fastwater LLP paper on online travel to references
- Added Change log for final draft

7.2 Draft 0.4

Cover. Changed logo to newer OTA image

Updated acknowledgements

Chapter 1. Made editorial fixes and revisions requested.

1.3. Added travel clubs to description of affiliations

Chapter 2. Made editorial fixes and revisions requested.

Added section 2.1, Message flow and operations giving a summary of the message exchanges in the four main verbs.

Reordered subsections to reflect new order of the chapters

Chapter 3 (Chapter 4 in previous draft)

Reordered sections to reflect bottom to top layers of the reference model chart

3.2 Added recommended text to the section on transport protocols

3.3.1 Added a reference and link to the W3C's XML Recommendation 1.0

3.3.2 Changed Head and Body to control and Content. Remove specifications mandating Head/Control sections in all versioned messages.

3.3.3 Tag naming conventions. Changed SHOULD to MUST

3.3.4 Tag naming guidelines. Changed MAY to SHOULD

3.5 Infrastructure verbs. Change all Read references to ReadAll.

Revised all examples to reflect changes approved by Interop on 12 January.

3.5.1 Unique identifier. Rewrote this section to reflect changes approved by Interop on 12 January.

3.5.1 Figure 1. Added footnote explaining DTD symbols in images.

3.5.2 Create verb. Added requirements for at least one of Cust.PersonName, Cust.Telephone, or Cust.Email

3.5.4 Update verb. Indicated sub-actions require an order of Remove, Set, Insert, Add after Verify. Changed order of these sub-actions in text accordingly.

3.5.4 Update verb. Revised examples, expanding Verify sections to reflect changes in content model. Revised examples to reflect changes in PaymentForm element.

Chapter 4. (Chapter 3 in previous draft)

4, 4.1, 4.2. Made editorial fixes and revisions requested.

4.1.1. Expanded and corrected Coordinated Universal Time notation, including a reference to a W3C Note on date and time.

4.1.1. Echo Token. Revised and expanded definition, including usage requirements.

4.2.1 Head section (to be renamed)

Added text on Session and authentication drafted by Scott Hinkelman
Added text sections on unauthentication (Scott Hinkelman drafted)

4.2.1.2 Non-sessioned (SendBy) Model

Figure 5. Changed the Session Credential and Principal elements into a sequence rather than an OR relationship. (correction)

Added paragraph on AuthenticationModel standard error if the trading partner supports only session-based security.

4.2.2 Content section

EncryptedContent. Make into an OR choice with Content. (correction)
Main verb request/response elements. Remove optional occurrence indicators. (correction)
Move Encrypted Content section following Content sections, becoming 4.2.3
Correct and replace illustrations.

4.2.2.2 Major verb tags. Rewritten to reflect structure of tags and removed references to order and relationships with other elements.

4.2.2.5 Examples of Content and Control. Renumbered examples as part of the overall number series in the document.

4.2.3 Added discussion of required Method attribute.

4.2.3 Moved examples 9 and 10 to this section since example 10 includes EncryptedContent

Chapter 5

Revised tables to reflect change of elements to attributes.

5.1 Introduction

Updated description of preferences to reflect the movement of the travel service preferences under Collections.

Add reference to travel clubs under Affiliations.

Removed reference to external entities in the DTDs.

Moved the discussion of privacy attributes to a separate section under 5.4 CustProfile

5.2 Transmitting empty elements

Added section advising trading partners against sending empty elements.

5.4 CustProfile

Changed introductory paragraphs to include references to profile identifiers.

Added a section 5.4.1 Privacy attributes.

Added attributes ShareAllSynchInd and ShareAllMarketInd under CustProfile with values of Yes/No and default value of No.

Changed names of ShareSynch and ShareMarket to ShareSynchInd and ShareMarketInd

Added value of Inher (Inherited) to ShareSynchInd and ShareMarketInd

Expanded discussion of privacy attributes, including examples.

5.5 Customer

Deleted ContactType attribute from Cust.Address

Deleted NameType attribute from Cust.RelatedTraveler and Cust.EmergencyContact

Changed PreferType to TravelServiceType

Changed Relate to Relation

Added values of Spouse and Children to Relation

Changed Family value to ExtendedFamily

Changed Docs to DocType

Added section 5.5.1, Required customer data, reflecting the mandatory name, telephone, and e-mail entries.

Added section 5.5.2 describing the payment form and loyalty program data entered in the Customer section and referenced elsewhere in the profile.

Added Cust.PaymentForm element comprised of Cust.Pay.CreditCard, Cust.Pay.BankAcct, and Cust.Pay.DirectBill

Added attributes to Cust.PaymentForm child elements: PreferLevel and PayFormReferName

Deleted TravelServiceType attribute from Cust.PaymentForm

Changed Email and URL elements under Cust.Contact to attributes

Added DynSeq, BefDynSeq, AftDynSeq attributes to Cust.Contact.Addr

Changed EffectDate, ExpiryDate, and BirthDate elements to attributes under Cust.Document

Added Cust.Loyalty element comprised of Cust.Loyal.ProgramName and Cust.Loyal.PersonName

Added CompanyCode and CodeContext attributes to Cust.Loyalty

5.6 Preferences

Added text with a description of travel collections (called groups and templates in previous drafts).

5.6.1 Common preferences

Added text with a description and example of common preferences.

Added Figure 9 showing a list of common preference elements

Entered new list of common preferences

Added attribute PrefCollectName to v1.Pref.Collection
Added attribute Relation to v1.Pref.Common.RelatedTrav

5.6.2 Car rental preferences

Added introductory text and Figure 10 showing element list
Added BefDynSeq and AftDyn Seq attributes to v1.Pref.Car.VehicleType, v1.Pref.Car.VehicleClass, v1.Pref.Car.PhysChallEquip
Changed child seat quantity element to an attribute of v1.Pref.Car.ChildSeat

5.6.3 Air travel preferences

Added introductory text and Figure 11 showing element list
Changed SmokingInd and AirTicketType from elements to attributes

5.6.4 Hotel preferences

Added introductory text and Figure 12 showing element list
Changed SmokingInd and RatePlan from elements to attributes

5.6.5 Other travel services

Added introductory text and Figure 13 showing element list

5.7 Affiliations

Added text to introduction on travel clubs
Made v1.Aff.Organiz.TravelSrvVendorName repeating
Made v1.Aff.Empl.TravelSrvVendorName repeating
Made v1.Aff.Empl.Loyalty repeating
Added tables with content on travel clubs

5.8 Reusable content

v1.Address - Changed CountryCode and PostalCode from elements to attributes
v1.Telephone - Changed CountryAccess, Extension, and PIN from elements to attributes
Added entities v1.UniqueId, v1.Privacy, v1.Repeating, and v1.HasRepeating

6. Error and non-versioned message operations

6.1 Non-versioned base messages

Changed Head and Body references to Control and Content
Revised section references to reflect new chapter numbers

7. Security and privacy

Changed Head and Body references to Control and Content
Revised section references to reflect new chapter numbers

7.3.5 Privacy. Revised text to include a discussion of ShareAllSynchInd and ShareAllMarketInd

8. Appendices. Broke out as separate document

7.3 Draft.0.3

Abstract. Added 'other travel services' to first sentence.

Acknowledgements. Added

Chapter 1 - Edited for usage and grammar

1.2 Removed, and provided reference to the OTA White Paper

1.3 Editorial revisions in the text suggested by members

1.4 Editorial revisions in the text suggested by members

1.4 Removed Customizable paragraph, since this version of the specification does not allow for trading-partner specific elements.

1.4 Removed Human and Machine Readable that some reviewers found confusing.

1.4 Added text to the Extensibility paragraph alerting readers to upcoming versions of the specification that will likely be incompatible with version 1.

1.5 Moved to Chapter 2, becomes section 2.6. Deleted the paragraph on fonts that readers found confusing.

1.6 Renumbered to 1.5

1.5 (new) Editorial revisions in the text suggested by members

Chapter 2

Edited to improve usage and grammar

Added introductory paragraph

Reordered and renumbered the sections starting with message structure

Chapter 3

Moved message structure to the next chapter position following the overview

Added Figures 1 - 4

3.1.1 Changed TestFlag attribute to Target. Removed all values except for default of Production.

3.1.1 Added example

3.2 Added standard error as an optional element of the Head

3.2.1 Changed Identity and URI elements to attributes. Created SendBy element as alternative to Session for non-sessioned messages.

3.2.2.1 Added examples of various Head, Body, and EncryptedBody scenarios

3.2.2.4 Added a separate section for the Success attribute

3.2.2.6 Added two high-level tag examples

3.2.3 Add text on v1.StandardError, adapted from chapter on non-versioned messages

Chapter 4

Imported original image for reference model chart, an improvement over the JPEG image.

Moved Infrastructure protocols section up in chapter following reference model.

- 4.2.1.3 Implementation of versioning. Reduced amount of text.
- 4.4.2 Reduced text that repeated chapter 3 and referenced chapter 3
- 4.4.3 Tag naming conventions. Updated sample tag names to reflect tag names in DTD.
- 4.5.1 Renamed Unique Identifier. Removed ListId. Made UniqueId an attribute. Expanded explanation of purpose and its components.
- 4.5.1.1 Server identifier. Added sentence suggesting trading partners inform each other of server identifiers.
- 4.5.2 Create. Made examples actual working XML documents using real tag names from specification.
- 4.5.3 Read. Made examples actual working XML documents using real tag names from specification.
- 4.5.4 Update. Added text on sub-actions positioned under CustProfile
- 4.5.4 Update. Added Figure 6 showing sub-actions
- 4.5.4 Update. Updated examples to reflect elements and attributes in DTD and made into working XML documents.
- 4.5.5 Delete. Made examples actual working XML documents using real tag names from specification.
- 4.5.5 Delete. Modeled Delete process after Updates, using an initial Read step for an implied verification.

Chapter 5

Added element group prefixes

Removed date and time formats

Added ShareSynch and ShareMarket attributes for increased privacy protections

Standardized tag naming: Nmbr, Code, Name, Id, Ind, Email, URL

Removed enumerations from DTD attributes unless confident of their completeness; otherwise in text offered suggested values.

Moved the first occurrence of attributes under their specific elements

5.1 Added text giving further explanation of the DynSeq, SynchShare, and SynchMarket attribute

5.1 Added a paragraph on reusable objects and entities

5.2 Added String data type

5.2 Clarified definition of + occurrence indicator

5.3 CustProfile. Changed UniqueId to an attribute.

5.3 Deleted ListId.

5.3 Added TimeZone attribute

5.4 Changed Discount type to Airline passenger type codes

5.4 Removed currency from payment form; made a separate element under customer information

5.4 Added a Cust.Pay.Address element to PaymentForm

5.4 Revised the Cust.Document element to include Cust.Doc.PersonName, Cust.Doc.Id, Cust.Doc.IssueAuthority, Cust.Doc.IssueLocation, Cust.Doc.EffectDate, Cust.Doc.ExpiryDate, Cust.Doc.BirthDate

5.4 Made Gender and LockoutType attributes; deleted corresponding elements

5.4 Changed PhoneType attribute to PhoneTech, added Cell and TTY

5.4 Added PhoneUse attribute: Work, Home, Day, Night

5.5 Changed Template to Group and Tmpl prefixes to Group

5.5 Deleted the Name element and created a PrefGroupname attribute

- 5.5 Added preferred travel service vendors to preference groups
- 5.5 Added PrefGroupName attribute to air, car, hotel, other travel service elements
- 5.5 Added Car insurance coverage supplement, description, and limitation elements
- 5.5 Added a CovCode to Pref.Car.Coverage element
- 5.5 Added a Pref.Air.ServiceClass element for booking class preferences
- 5.5 Added related travelers to preference groups, element Pref.Group.RelatedTrav
- 5.5 Added Base as a TravType
- 5.5 Added CovCode (Car insurance coverage code) attribute to Pref.Car.Coverage element
- 5.5 Added fax and email to DistType attributes
- 5.6 Added Travel Arranger type (TrvlArrType) attribute
- 5.7 Added reusable objects: PersonName, Address, Telephone, CreditCard, Loyalty. Revised much of the profile content accordingly
- 5.7 For Address object, added Address.StreetNbr and Address.BldgRoom. Moved Addr.Line to the end for extra address lines
- 5.7 Added Only as a PrefLevel attribute
- 5.7 Added LoyalAppl (Loyalty program application) attribute
- 5.7 Added LoyalType (Loyalty program type) attribute
- 5.8 Reduced date and time requirements to a reference to ISO 8601

Chapter 6

- Renumbered non-versioned messages to chapter 6
- Narrowed focus of non-versioned error messages to those that occur at the parser.
- Added section 6.4 with a reference to the non-versioned message DTD

Chapter 7

- Edited text as requested in member comments
- Moved security and privacy material to chapter 7
- Removed detailed discussion of implementation that repeated previous discussions and referenced the relevant section numbers.
- Updated reference to the Standard for Internet Commerce to version 1.0 and updated appendix accordingly.

Appendix

- Added DTDs and Update examples that still need editing/updating.
- Updated Standard for Internet commerce sections

7.4 Draft.0.2

- Edited the Abstract for accuracy and English usage.
- Removed the proposed user license after objections from members.
- 4.1, Reference model. Removed references to UserId and Password, which are not included in the specification.
- 4.1, Reference model. Removed references to infrastructure elements, which are not defined in the document
- 4.4.1, Session. Removed heading for this empty section, with the remaining paragraph numbers in 4.4 renumbered accordingly.

4.5.1.1, UniqueId structure. Section added as authorized by the Interop Committee decision

4.5.1.2, Server identifier for related travelers. Section added as authorized by the Interop Committee decision

5.3 CustProfile, deleted elements TravelVendorId and CustId, as authorized by Interop Committee decision

5.4 Customer information. Added element RelatedServerId, as required by new paragraph 4.5.1.2

8.3 Hotel preference attributes. Added

8.3.1 Hotel property amenities

8.3.2 Hotel room amenities

8.3.3 Hotel recreation services

8.3.4 Hotel security features