**Testing Methodology**

**I've laid out functions based on the XSD they were defined in. Each request will be the main bullet and any comments will be a bullet underneath.**

**For each call I am running a test for each available option for those items we have. For instance GetCaps has multiple options to specify which CAPs to return. I'll generate a separate call for each possibility. For those calls that pertain to items we don't have (i.e. assets), I am still coding tests for that another site may be able to perform and am comparing my xml to something in the HTML documentation. For each request/response I'm capturing what I'm sending/receiving to aid this process.**

**When I've verified each request/response with the XSD and HTML documentation I'll strike the text and change the font color to blue (~~completed~~). If I get the request/response to work, but not as documented, I will only change the font color to green. For the items highlighted in yellow, I need an example on how to fill in the request data.**

**Since I believe this will be an iterative process I started numbering the documents.**

# Authentication Operations Summary

* **AuthenticateServiceProvider**
  + Explict - returns error code 0001, Not a supported function (see request/response)
  + Implicit - returns error code 0001, Not a supported function (see request/response)
  + [Jing] This is not supported by AA. We’ll provide schema compatible to AA. This will be removed from schema.
* **AuthenticateSystem**
  + Returns error code 0001 - unable to find FieldDescriptor for 'System' (see request/response) because it is based on OperationRequest which contains the reference to System. Removing the base reference returns error code 0001, Not a supported function (see request/response)
  + [Jing] This is not supported by AA and will be removed from schema.
* **AuthenticateUser**
  + Sample Input is for CalculateRoute
  + In version 7.1 the element "hasGISLicense" in "AuthenticateUserResponse" appears to be optional, yet it's not defined that way
* **GetUser**
  + In the sample input what do the keys refer to in AA?
  + Search choice
    - InspectorId - (need example for keys)
    - PeopleId - (need example for keys)
    - UserId - (need example for keys)

[Jing] InspectorId and PeopleId are not supported. UserId refers to user name used in AuthenticateUser.

NOTE: bug to be fixedfor the exception when not using AccelaIvr context.Currently only supported in AccelaIvr context, where userId/user name refers to IVR number of user.

* **UpdateUser**
  + need to get GetUser working first (not tested yet)
  + Context
    - Add
    - Append
    - Delete
    - DeleteAll
    - Existing
    - New
    - Replace
    - Readonly
    - Update

# GIS Operations Summary

* **~~GetGISDynamicThemes~~**
* **GetGISLayerGroups**
  + HTML documentation is for GetGISLayers
  + Response is unable to find FieldDescriptor for 'GetGISLayerGroups' in ClassDescriptor of GovXML
* **GetGISLayers**
  + Response is Not a supported function
* **GetGISMapServices**
  + Response is Not a supported function
* **GetGISObjects**
  + Need to get GetGISLayers working first (not tested yet)
  + Search choice
    - Attributes
    - Criterions
    - GISDynamicTheme (Tried, but no response need to check with GIS)
    - GISLayerId
    - GISObjectIds
    - GISObjectTypes
* **GetGISObjectsByBufferRadius**
  + Response is Not a supported function
* **GetGISObjectsGenealogy (WHATS WRONG)**
  + No sample input provided
  + All 3 return the same error java.lang.NullPointerException at com.accela.aa.aaxml.govxml.helper.GISXML.getGISObjectsGenealogy(GISXML.java:729)
  + Search choice
    - ActionId
    - ActionDateTime
    - GISObjectIds
* **~~GetStreetDirections~~**
* **~~GetStreetSuffixes~~**
* **PassGISAddresses**
  + unable to find FieldDescriptor for 'showRoute' in ClassDescriptor of PassGISAddresses
  + Error code 0001 Not a supported function : java.lang.Exception: Not a supported function at com.accela.aa.aaxml.govxml.operations.GovXMLSwitch.XMLService
* **SetGISObjectsGenealogy**
  + Need to get GetGISObjectsGenealogy working first (not tested yet)
* **UpdateGISObject**
  + Need to get GetGISObjects working first (not tested yet)
  + Context
    - Add
    - Append
    - Delete
    - DeleteAll
    - Existing
    - New
    - Replace
    - Readonly
    - Update
  + Choice
    - Attributes
    - Extent
    - GISLayerId
    - MapServiceId
* **UpdateGISObjects**
  + Need to get GetGISObjects working first (not tested yet)
* **ViewGISDyanmicTheme**
* **ViewGISMap**
  + Response is unable to find FieldDescriptor for 'ViewGISDynamicTheme' in ClassDescriptor of GovXML

# GovXML Operations Summary

* **AccelaToCsr**
  + General question What is CSR?
  + [Jing] This is not supported by AA and will be removed from schema.
* **AddNewDocument**
  + Need to get GetDocument working first (not tested yet)
* **CalculateInvoices**
  + No sample input provided (for GetInvoices either)
  + Returns error code 0001 - unable to find field descriptor for 'CalculateInovices' (see request/response)
  + Search choice
    - ContactId
    - CAPId
    - DateRange
    - InvoiceId
* **CalculateRoute**
  + Without adding MapServiceId I get error 1004 - GIS service ID not found, documentation says this is optional
  + After adding our MapServiceId I get error 1004 - GIS data in AA isn't sync or GIS data contain special characters...
* **CancelInspection**
  + Documented as cap keys appended together is wrong

<Keys>

<Key>01BLD-00000-00153</Key>

<Key>INSP-00005123</Key>

</Keys>

* + Format that actually works

<InspectionId>

<Keys>

<Key>09ADM</Key>

<Key>00000</Key>

<Key>00139</Key>

<Key>02022982</Key>

</Keys>

</InspectionId>

* + Why is the inspection # zero padded to 8 characters? The field type is BIGINT (long) which goes to 2 billion 10 characters
* **CreateAsset**
  + No sample input provided
  + Don't have assets so can't test
* **CreateDocument**
  + What is the 4th key for under Document? Need more information

<Keys>

<Key>05BLD</Key>

<Key>00000</Key>

<Key>00007</Key>

<Key>2040</Key>

</Keys>

[Comment] The 4th key is for inspection id.

* + In the XSD I can't find any reference to "download" (just after contextType in the sample input)
* **CsrToAccela**
  + General question What is CSR?
  + [Jing] This is not supported by AA and will be removed from schema.
* **DeleteDocument**
  + Need to get GetDocument working first (not tested yet)
* **FinalizeCAP**
  + Under CAPId shouldn't there be 3 keys (b1\_per\_id1, b1\_per\_id2, b1\_per\_id3) or is the key the same as b1\_alt\_id? Is it supposed to be padded some way? I've tried both and neither works.
  + Three keys input

<CAPId>

<Keys>

<Key>12CWD</Key>

<Key>00000</Key>

<Key>00152</Key>

</Keys>

</CAPId>

* + Three keys response

<Error>

<ErrorCode>1005</ErrorCode>

<ErrorMessage>For input string: ""</ErrorMessage>

</Error>

* + Alt ID input

<CAPId>

<Keys>

<Key>12-WEED-00152</Key>

</Keys>

</CAPId>

* + Alt ID response

<Error>

<ErrorCode>1005</ErrorCode>

<ErrorMessage>For input string: "ED-00152"</ErrorMessage>

</Error>

* **GetAdditionalInformationGroups**
  + No sample input provided
  + Returns all ASI groups for all CAP types, not limited to the inputs the CAP or CAP type specified
  + Search choice
    - CAPIds
    - CAPTypeIds
    - CompactAddressIds - Need example
    - ContactIds - Need example
    - DocumentIds - Need example
    - InspectionIds
    - InspectionDistrictIds
    - InspectorIds
    - InvoiceIds - Need example
    - ParcelIds
    - PaymentIds - Need example
    - UserIds - Need example

[Comment] Above search choices are not available for GetAdditionalInformationGroups, and we cannot find them in schema. A normal GetAdditionalInformationGroups request example as below:

<?xml version="1.0" encoding="utf-8"?>

<GovXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.accela.com/schema/AccelaOpenSystemInterfaceXML">

<GetAdditionalInformationGroups>

<System>

<XMLVersion>710</XMLVersion>

<ServiceProviderCode>ACFW</ServiceProviderCode>

<Username>admin</Username>

<MaxRows>50</MaxRows>

<StartRow>1</StartRow>

<EndRow>0</EndRow>

<TotalRows>0</TotalRows>

<ApplicationState>12062810425184482107</ApplicationState>

<Context>CAP</Context>

<LanguageID>en-US</LanguageID>

</System>

<contextType>CAP</contextType>

</GetAdditionalInformationGroups>

</GovXML>

Note: The Context can be "CAP", "Asset", "People".

* **GetAddress**
  + No sample input provided
  + unable to find FieldDescriptor for 'GetAddress' in ClassDescriptor of GovXML
  + [Jing]This is not supported by AA and will be removed from schema. Please use GetAddresses instead.
* **GetAddresses**
  + No sample input provided
  + Regardless of request choice response is java.lang.NullPointerException at com.accela.aa.aaxml.govxml.operations.GetAddressesOperation.performOperation(GetAddressesOperation.java:40)
  + Search choice
    - CAPId
    - CAPTypeId
    - CompactAddressId - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - Contact - Need example

[Comment] This is not an available choice and we did not find in schema

* + - DateRange
    - DetailAddress - Need example

[Comment] See the example as below:

<?xml version="1.0" encoding="utf-8"?>

<GovXML xmlns="http://www.accela.com/schema/AccelaWirelessXML">

<GetAddresses>

<System>

<XMLVersion>710</XMLVersion>

<ServiceProviderCode>SACRAMENTO</ServiceProviderCode>

<Username>admin</Username>

<MaxRows>50</MaxRows>

<StartRow>1</StartRow>

<EndRow>0</EndRow>

<TotalRows>0</TotalRows>

<ApplicationState>12062813184052197476</ApplicationState>

<Context>AccelaMobileOffice</Context>

<LanguageID>en-US</LanguageID>

</System>

<returnElements>

<returnElement>Addresses</returnElement>

</returnElements>

<DetailAddress isPrimary="false">

<Keys>

<Key>373852</Key>

</Keys>

<houseNumber>35</houseNumber>

<streetName>SAUSALITO</streetName>

<streetSuffix>CT</streetSuffix>

<City>SACRAMENTO</City>

<State>CA</State>

<PostalCode>95823</PostalCode>

<County>SACRAMENTO</County>

<XCoordinate>6727985.08</XCoordinate>

<YCoordinate>1931596.5</YCoordinate>

<ParcelIds>

<ParcelId>

<Value>11713400570000</Value>

</ParcelId>

<ParcelId>

<Value>00100120130000</Value>

</ParcelId>

</ParcelIds>

<ReferenceAddressType />

</DetailAddress>

</GetAddresses>

</GovXML>

* + - ParcelId
    - CAPIds
    - CAPStatuses
    - CAPTypeIds
    - CompactAddressIds - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - Contacts - Need example

[Comment] This is not an available choice and we did not find in schema

* + - ContactIds - Need example

[Comment] This is not an available choice and we did not find in schema

* + - DateRanges
    - DetailAddresses - Need example

[Comment] This is not an available choice and we did not find in schema

* + - Licenses - Need example

[Comment] This is not an available choice and we did not find in schema

* + - ParcelIds

[Comment]For GetAddresses, there’re 2 available search choices: DetailAddress and GISObjects.

* **GetAssets**
  + No sample input provided
  + Don't have assets so can't test
  + Search choice
    - AssetIds
    - Status
    - AssetTypes
    - Description
    - DateOfService
    - StatusDates
    - CurrentValue
    - Comments
* **GetAssetTypes**
  + No sample input provided
  + Don't have assets so can't test
* **GetAssetUsages**
  + Listed in AccelaOperationRepository\_GovXML, but not in AccelaOpenSystemInterfaceXML
  + Don't have assets so can't test
* **GetAuditLogs**
  + Listed in AccelaOperationRepository\_GovXML, but not in AccelaOpenSystemInterfaceXML
  + Response is java.lang.NullPointerException at com.accela.aa.aaxml.govxml.operations.GetAuditLogsOperation.performOperation(GetAuditLogsOperation.java:43)
  + Optional fields
    - EntityKeys - Need example
    - entityId - Need example
    - entityType - Need example
    - field - Need example
    - fieldValue - Need example

[Comment] See a completed example covering all choices as below:

<?xml version="1.0" encoding="utf-8"?>

<GovXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.accela.com/schema/AccelaOpenSystemInterfaceXML">

<GetAuditLogs>

<System>

<XMLVersion>710</XMLVersion>

<ServiceProviderCode> ACFW</ServiceProviderCode>

<Username>admin</Username>

<MaxRows>20</MaxRows>

<StartRow>1</StartRow>

<EndRow>0</EndRow>

<TotalRows>0</TotalRows>

<ApplicationState>1206262201044550989</ApplicationState>

<Context>AccelaMobileOffice</Context>

<LanguageID>en-US</LanguageID>

</System>

<entityId>BLD12-00000-00008</entityId>

<entityType>CAP\_DETAIL</entityType>

<field> Initiated by Product</field>

<fieldValue> AA\_CLASSIC</fieldValue>

<EntityKeys>

<Key />

<Key />

<Key />

</EntityKeys>

</GetAuditLogs>

</GovXML>

* + - DateRange
* **~~GetAvailableInspectionDates~~**
  + No sample input provided
* **~~GetCAP~~**
  + An example demonstrating returnElements would help
* **GetCAPs**
  + Under addresses both CompactAddress and DetailAddress are returned despite it being a choice in the xsd
  + Search choice
    - ~~CAPId~~
    - ~~CAPIds~~
    - ~~CAPStatuses~~
    - CAPTypeIds
    - CompactAddressIds - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - ContactIds - Need example
    - Contacts - Need example
    - DateRanges - What field does this reference? It appears to return values different than all, but I can't find a date in the response that false within the date range.
    - DetailAddresses - Need example
    - GISObjectIds - Need example, guessed at criteria, but returns all CAPs
    - GISObjects - Need example, guessed at criteria, but returns all CAPs
    - InspectionDistricts - returns all CAPs
    - InspectionIds - returns all CAPs
    - InspectionStatuses - returns all CAPs
    - InspectionTypeIds - returns all CAPs
    - InspectionTypes - returns all CAPs
    - InspectorIds - returns all CAPs
    - Licenses - returns all CAPs
    - ~~ParcelId~~
    - ParcelIds - returns all CAPs
    - SpatialDescriptors - returns all CAPs
    - Statuses - returns all CAPs
    - ApprovalDateRanges - returns all CAPs
    - CompletionDateRanges - returns all CAPs
    - CreationDateRanges - returns all CAPs
    - DisapprovalDateRanges - returns all CAPs
    - ExpirationDateRanges - returns all CAPs
    - InspectorRoles - returns all CAPs
    - Keyword - Which field(s) is it searching? It appears to return only the first record it finds.
    - ~~ParentCAPId~~
    - ~~ParentCAPIds~~
    - PartialCAPId - Need example, appears to return all CAPs

[Comment] This is not supported by AA and will be removed from schema.

* + - PartialCAPIds - Need example, appears to return all CAPs

[Comment] This is not an available choice and we did not find in schema.

* + - ~~SubsidiaryCAPId~~
    - SubsidiaryCAPIds - returns all CAPs
    - Type
      * All - returns all CAPs
      * Account - returns all CAPs
      * Complaint - returns all CAPs
      * Development - returns all CAPs
      * License - returns all CAPs
      * Permit - returns all CAPs
      * Project - returns all CAPs
      * ServiceRequest - returns all CAPs
      * Set - returns all CAPs
    - Departments - returns all CAPs
    - AssetIds - We don't have assets so can't test
    - MaxRecordsPerAssetId - We don't have assets so can't test
    - ActivePermitsFlag - returns all CAPs
* **GetCAPTypes**
  + Search choice
    - InspectionType - Need example

[Comment] See the example as below:

<?xml version="1.0" encoding="utf-8"?>

<GovXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.accela.com/schema/AccelaOpenSystemInterfaceXML">

<GetCAPTypes>

<System>

<XMLVersion>710</XMLVersion>

<ServiceProviderCode>ACFW</ServiceProviderCode>

<Username>admin</Username>

<MaxRows>50</MaxRows>

<StartRow>1</StartRow>

<EndRow>0</EndRow>

<TotalRows>0</TotalRows>

<ApplicationState>12062810425184482107</ApplicationState>

<Context>AccelaMobileOffice</Context>

<LanguageID>en-US</LanguageID>

</System>

<InspectionType>

<Keys>

<Key> 1180 </Key>

<Key>BLDGCOMP</Key>

<Key>Building Complaint Inspection</Key>

</Keys>

</InspectionType>

</GetCAPTypes>

</GovXML>

Note: Key[0] is the sequence number of inspection type, Key[1] is GroupCode of inspection type, Key[2] is the Name of inspection type. This is different from the Keys defined in other requests, in other requests, the Key[0] is GroupCode, Key[1] is Inspection Type Name, Key[2] is sequence number. I think this should be fixed in feature release(in AA7.2 or AA 7.3).

However, we can identify it as a know issue so far, and distinguish the keys definition as “Key[0] is the sequence number of inspection type, Key[1] is GroupCode of inspection type, Key[2] is the Name of inspection type” for this request.

* + - Licenses - Returns all values

[Comment] This is not supported by AA and will be removed from schema.

* + - ~~Type~~
    - IVRCode - Need to know what a valid IVR Code is for our system
    - [Jing]IVRCode refers to value defined in AA Classic Admin -> Application Type -> IVR NUMBER property.
* **GetCities**
  + Where are cities defined at? Returns empty set
  + [Jing] Cities are defined in standard choice named “CITY”.
* **GetConditionTypes**
  + Returns all values despite differences in input
  + Context
    - CAP
    - Inspection
    - Parcel
  + Search choice
    - CAPIds
    - CAPTypeIds
    - DateRanges
    - InspectionIds
    - InspectionTypes
* **GetContact**
  + No sample input provided
  + unable to find FieldDescriptor for 'GetContact' in ClassDescriptor of GovXML
  + [Jing]This is not supported by AA and will be removed from schema. Please use GetContacts instead.
* **GetContacts**
  + AccelaOperationRepository\_GovXML.xsd does not seem to match documentation

<xsd:complexType name="GetContacts">

<xsd:complexContent>

<xsd:extension base="OperationRequest">

<xsd:sequence>

<xsd:element ref="CAPId"/>

<xsd:element ref="Contact"/>

<xsd:element ref="Elements"/>

</xsd:sequence>

</xsd:extension>

</xsd:complexContent>

</xsd:complexType>

How do you get CAPIds, CompactAddressId, CompactAddressIds, Contacts, DateRange... from the above XML?

* + All options seem to return the same data
  + Elements marked "minOccurs="0" are returned with empty contents
  + Search options
    - CAPId
    - ContactId
* **GetCostTypes**
  + No sample input provided
  + No return values (where are they defined)
  + [Jing] Cost types are defined in standard choice “COST\_TYPE”. It’s used for asset management.
* **GetCriterions**
  + Returns the same response whether CriterionGroupIds are supplied or not
* **GetDepartments**
  + No sample input provided
* **~~GetDispositions~~**
  + ~~Verified works for excluded contextType and all iterations of contextType.~~
  + ~~All~~
  + ~~AssetStatus~~
  + ~~CAP~~
  + ~~Checkitem~~
  + ~~Condition~~
  + ~~Hold~~
  + ~~Inspection~~
* **GetDocument**
  + No sample input provided
  + Need to get GetDocumentList working first
* **~~GetDocumentGroups~~**
  + No sample input provided
* **GetDocumentList**
  + CAP - Returns empty list despite documents are associated with CAP
  + Inspection - We need to reindex our documents to implement this
  + Parcel - Returns error 1005 Data validation error, I'm passing a value from L1\_Parcel\_Nbr
* **GetDocuments**
  + Need to get GetDocumentList working first
* **GetGuidesheets**
  + Returns the same items regardless of input
  + Search choice
    - ~~Empty~~
    - CAPId
    - CAPTypeId
    - InspectionId
    - InspectionType
* **GetHoldTypes**
  + Returns the same items regardless of input
  + Search choice
    - ~~Empty~~
    - CAPIds
    - CAPTypeIds
    - CompactAddressIds
    - Contacts
    - ContactIds
    - DateRanges
    - DetailAddresses
    - Licenses
    - ParcelIds
* **GetInspection**
  + Under InspectionStatus the Date and Time fields should be excluded if blank
  + Search choice
    - ConfirmationNumber
    - InspectionId
* **GetInspectionDistricts**
  + No sample input provided
  + All choices return the same result
  + Search choice
    - ~~Empty~~
    - CAPIds
    - CAPTypeIds
    - CompactAddressIds - Need example
    - DetailAddresses - Need example (how complete does it have to be?)
    - InspectionIds
    - InspectionTypes
    - ParcelIds

[Comment] GetInspectionDistricts has not any search choice, and the InspectionDistricts are defined in standard choice “INSPECTOR\_DISTRICTS”.

* **GetInspections**
  + GuideItem inconsistently returns a field called carryOverFlag that is not defined in the XSD
  + Search choice
    - CAPIds - Returns all inspections
    - CAPTypeIds - Returns all inspections
    - CompactAddressIds - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - ConfirmationNumbers - Need example
    - Contacts - Need example

[Comment] This should be Contact.

* + - ContactIds - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - DateRanges \* - I don't think this is pulling right (need to know what field it should be looking at)

[Comment]The record date of inspection (column: G6ACTION. REC\_DATE).

* + - Type - Need example
    - Department - Returns all inspections
    - DetailAddresses - Need example
    - InspectionDistrictIds - Need example
    - InspectionStatuses - Returns all inspections
    - InspectionTypeIds - Returns all inspections
    - InspectionTypes - Need example
    - ~~InspectorIds~~
    - MapReference - Need example
    - Licenses - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - ParcelIds - Returns all inspections

[Comment] This should be ParcelId.

* + - ApprovalDateRanges \* - I don't think this is pulling right (need to know what field it should be looking at)

[Comment] This is not supported by AA and will be removed from schema.

* + - CompletionDateRanges \* - Returns all inspections
    - CreationDateRanges\* - I don't think this is pulling right (need to know what field it should be looking at)

[Comment] This is not supported by AA and will be removed from schema.

* + - DisapprovalDateRanges \* - I don't think this is pulling right (need to know what field it should be looking at)

[Comment] This is not supported by AA and will be removed from schema.

* + - ~~ScheduledDateRanges~~
    - InspectorRoles - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - \* What is the difference between the different date ranges (Approval, Completion, Creation, Disapproval)

A completed example covering choices(ConfirmationNumbers, DateRanges, Type, DetailAddresses, InspectionDistrictIds, InspectionTypes, MapReference) as below:

<?xml version="1.0" encoding="utf-8"?>

<GovXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.accela.com/schema/AccelaOpenSystemInterfaceXML">

<GetInspections>

<System>

<XMLVersion>710</XMLVersion>

<ServiceProviderCode>SACRAMENTO</ServiceProviderCode>

<Username>admin</Username>

<MaxRows>50</MaxRows>

<StartRow>1</StartRow>

<EndRow>0</EndRow>

<TotalRows>0</TotalRows>

<ApplicationState>12062813184052197476</ApplicationState>

<Context>AccelaMobileOffice</Context>

<LanguageID>en-US</LanguageID>

</System>

<Contact>

<Organization xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL">

<name>32</name>

</Organization>

</Contact>

<DetailAddress action="Update" isPrimary="false">

<houseNumber>232</houseNumber>

<houseNumberFraction />

<streetDirection />

<streetName />

<streetSuffix />

<streetSuffixDirection />

<unit />

<unitType />

<State />

<PostalCode />

<ReferenceAddressType />

</DetailAddress>

<InspectionDistrictIds>

<InspectionDistrictId>

<Keys>

<Key>A3</Key>

</Keys>

</InspectionDistrictId>

</InspectionDistrictIds>

<InspectionTypes>

<InspectionType>

<Keys>

<Key>INSP\_BLDG</Key>

<Key>Site</Key>

<Key>2770</Key>

</Keys>

<autoAssign>false</autoAssign>

</InspectionType>

</InspectionTypes>

<InspectorIds>

<InspectorId>

<Keys>

<Key>CSHULTZ</Key>

</Keys>

</InspectorId>

</InspectorIds>

<MapReference>

<tract>yu</tract>

<block>tryty</block>

<lot>rty</lot>

<subdivision>2132</subdivision>

<section>tyty</section>

<township>32132</township>

<range>tyt</range>

</MapReference>

<ParcelId>

<Value>58958</Value>

</ParcelId>

<DateRanges>

<DateRange>

<from>2012-06-26</from>

<to>2012-07-03</to>

</DateRange>

</DateRanges>

<Type>

<Keys/>

<IdentifierDisplay>Pet Shop Inspection</IdentifierDisplay>

</Type>

<openInspectionsOnly>true</openInspectionsOnly>

<downloadRouteSheetOnly>false</downloadRouteSheetOnly>

<returnElements>

<returnElement>TimeAccountings</returnElement>

<returnElement>Districts</returnElement>

<returnElement>CAPIDs</returnElement>

</returnElements>

<ConfirmationNumbers>

<ConfirmationNumber>236</ConfirmationNumber>

</ConfirmationNumbers>

</GetInspections>

</GovXML>

* **GetInspectionTypes (start here)**
  + Search choice
    - ~~CAPId~~
    - CAPTypeId - Error 1005 - Need example

[Comment] See the example as below:

<?xml version="1.0" encoding="us-ascii" ?>

<GovXML xmlns="http://www.accela.com/schema/AccelaWirelessXML">

<GetInspectionTypes>

<System>

<XMLVersion>GovXML-1.0.0</XMLVersion>

<ServiceProviderCode>ACFW</ServiceProviderCode>

<Username>ADMIN</Username>

<MaxRows>10</MaxRows>

<ApplicationState>12062810425184482107</ApplicationState>

<Context>AccelaMobileOffice</Context>

<LanguageID>en-US</LanguageID>

</System>

<CAPTypeId>

<Keys>

<Key>PublicWorks</Key>

<Key>ROW</Key>

<Key>Excavation</Key>

<Key>NA</Key>

</Keys>

</CAPTypeId>

</GetInspectionTypes>

</GovXML>

* + - InspectorId - Retrieves all inspection types
    - GetByCode (missing from HTML documentation) This doesn't make sense to bury the IVR Code one more layer down along with a CAPId that is already available. Need to get valid IVR Code for our system to test
* **GetInspectionUnitNumbers**
  + No sample input provided
  + Returns an empty set, so not sure if we don't have it defined or it is not working. Where is this defined in Accela?
  + [Comment] This defined in standard choice named “INSPECTION\_UNIT\_NUMBER\_VALUES”.
* **GetInspectors**
  + The return values that are blank differ than the blank return values for contact. In either case if they are blank the specification that MinOccurs = 0, so they should be excluded.
* **GetInvoices**
  + No sample input provided
  + If CAPId is part of the choice it is mutually exclusive from the other options like DateRange
  + Context
    - ~~All~~
    - Closed - Returns invoices with balances
    - ~~Outstanding~~
    - PastDue - Returns invoices that were paid the same day invoiced
  + Search choice
    - ContactId - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - ~~CAPId~~
    - DateRange - Returns Error 1006 (No Record ID to get Invoices)
    - InvoiceId - Returns Error 1006 (No Record ID to get Invoices)
* **GetJurisdictions**
  + Not a supported function at com.accela.aa.aaxml.govxml.operations.GovXMLSwitch.XMLService
* **GetLicensedProfessionals**
  + How can System be Optional when the xsd is based on OperationRequest
  + Under organization is a field called "id" that is not referenced in the XSD.
  + Search option
    - Empty
    - Person - Need example
    - Organization - Need example
    - PersonAndOrganization - Need example
    - License
  + [Comment] See below completed example covering all search options:

<?xml version="1.0" encoding="utf-8"?>

<GovXML xmlns="http://www.accela.com/schema/AccelaWirelessXML">

<GetLicensedProfessionals>

<System>

<XMLVersion>710</XMLVersion>

<ServiceProviderCode>ACFW</ServiceProviderCode>

<Username>admin</Username>

<MaxRows>50</MaxRows>

<StartRow>1</StartRow>

<EndRow>0</EndRow>

<TotalRows>0</TotalRows>

<ApplicationState>12062810425184482107</ApplicationState>

<Context>AccelaMobileOffice</Context>

<LanguageID>en-US</LanguageID>

</System>

<Person xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL">

<familyName>bayne</familyName>

<givenName>brandon</givenName>

<roles>

<ActorRole>

<role>userdefined</role>

</ActorRole>

</roles>

<addresses>

<PostalAddress>

<addressLines>

<String>804 SUTTON DR</String>

</addressLines>

<town>FORT WAYNE</town>

<TownId>

<Keys>

<Key>FORT WAYNE</Key>

</Keys>

<IdentifierDisplay>FORT WAYNE</IdentifierDisplay>

</TownId>

<region>IN</region>

<postalCode>46804</postalCode>

</PostalAddress>

<TelecomAddress>

<telephoneNumbers/>

<facsimileNumbers />

<electronicMailAddresses />

</TelecomAddress>

</addresses>

</Person>

<Organization xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL">

<id>6929</id>

<name>THE OUTSIDERS</name>

</Organization>

<PersonAndOrganization xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL">

<thePerson>

<Person xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL">

<familyName>bayne</familyName>

<givenName>brandon</givenName>

<roles>

<ActorRole>

<role>userdefined</role>

</ActorRole>

</roles>

<addresses>

<PostalAddress>

<addressLines>

<String>804 SUTTON DR</String>

</addressLines>

<town>FORT WAYNE</town>

<TownId>

<Keys>

<Key>FORT WAYNE</Key>

</Keys>

<IdentifierDisplay>FORT WAYNE</IdentifierDisplay>

</TownId>

<region>IN</region>

<postalCode>46804</postalCode>

</PostalAddress>

<TelecomAddress>

<telephoneNumbers />

<facsimileNumbers />

<electronicMailAddresses />

</TelecomAddress>

</addresses>

</Person>

</thePerson>

<theOrganization>

<Organization xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL">

<id>6929</id>

<name>THE OUTSIDERS</name>

</Organization>

</theOrganization>

</PersonAndOrganization>

<License>

<licenseType>BD\_ALUM ERECTION</licenseType>

<LicenseTypeId>

<Keys>

<Key>BD\_ALUM ERECTION</Key>

</Keys>

</LicenseTypeId>

<licenseNumber>BD-6929</licenseNumber>

<issuedDate>2001-02-08</issuedDate>

<expirationDate>2013-06-11</expirationDate>

</License>

</GetLicensedProfessionals>

</GovXML>

* **~~GetLicenseTypes~~**
  + No sample input provided
* **GetOwners**
  + Listed in AccelaOperationRepository\_GovXML, but not in AccelaOpenSystemInterfaceXML
* **GetParcel**
  + unable to find FieldDescriptor for 'GetParcel' in ClassDescriptor of GovXML

[Comment]This is not implemented by AA so far, please use the interface "GetParcels" instead.

* **GetParcels**
  + Under status there is an element called "IdentifierDisplay" which is not in status nor in its base "element"
  + SpatialObject defines a choice for Addresses and CompactAddresses, yet both appear in the response
  + Search choice
    - CAPIds - Returns all parcels
    - CAPStatuses
    - CompactAddressIds - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - ContactIds - Need example

[Comment] This is not supported by AA and will be removed from schema.

* + - Contact - Need example
    - DateRanges - Returns all parcels (what date is filtered?)

[Comment] The last modified date (column: B3PARCEL. REC\_DATE) of the parcel.

* + - DetailAddresses - Need example
    - GISObjects - Need example
    - Inspectors - Need example

[Comment] This is not an available choice for GetParcels.

* + - InspectorIds - returns all parcels

[Comment] This is not an available choice for GetParcels.

* + - ParcelIds - Need example
    - SpatialDescriptors - Need example
    - InspectorRoles - Need example

[Comment] This is not an available choice for GetParcels.

A completed example covering all choices(Contact, DetailAddresses, GISObjects, ParcelIds, SpatialDescriptors) as below:

<?xml version="1.0" encoding="utf-8"?>

<GovXML xmlns="http://www.accela.com/schema/AccelaWirelessXML">

<GetParcels>

<System>

<XMLVersion>710</XMLVersion>

<ServiceProviderCode>ACFW</ServiceProviderCode>

<Username>admin</Username>

<MaxRows>50</MaxRows>

<StartRow>1</StartRow>

<EndRow>0</EndRow>

<TotalRows>0</TotalRows>

<ApplicationState>12062810425184482107</ApplicationState>

<Context>AccelaMobileOffice</Context>

<LanguageID>en-US</LanguageID>

</System>

<CAPId>

<Value>12EXC00007</Value>

</CAPId>

<CAPStatuses>

<CAPStatus>

<Name>Active</Name>

<Keys>

<Key>Active</Key>

<Key>LIC\_TRADE</Key>

</Keys>

<CapStatusGroup>

<Keys>

<Key>LIC\_TRADE</Key>

</Keys>

<IdentifierDisplay>LIC\_TRADE</IdentifierDisplay>

</CapStatusGroup>

</CAPStatus>

</CAPStatuses>

<Contact>

<Person xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL">

<givenName>dfdf</givenName>

<middleNames />

<roles>

<ActorRole>

<role>owner</role>

</ActorRole>

</roles>

</Person>

</Contact>

<DetailAddress action="Update" isPrimary="false">

<houseNumber>201</houseNumber>

<houseNumberFraction />

<streetDirection />

<streetName />

<streetSuffix />

<streetSuffixDirection />

<unit />

<unitType />

<State />

<PostalCode />

<ReferenceAddressType />

</DetailAddress>

<ParcelIds>

<ParcelId>

<Value>256896</Value>

</ParcelId>

</ParcelIds>

<SpatialDescriptors>

<MapReference>

<tract>dfd</tract>

</MapReference>

</SpatialDescriptors>

<GISObjects>

<GISObject>

<Keys>

<Key>Parcels</Key>

<Key>02-12-02-432-001.000-074</Key>

</Keys>

<MapServiceId>

<Keys>

<Key>AGIS\_ACFW</Key>

</Keys>

</MapServiceId>

</GISObject>

</GISObjects>

</GetParcels>

</GovXML>

* **GetPartInventory**
  + No sample input provided
  + Don't have parts so can't test
* **GetPartTypes**
  + No sample input provided
  + Don't have parts so can't test
* **~~GetRoles~~**
* **GetSeverityLevels**
  + Returns unable to find FieldDescriptor for 'GetSeverityLevels' in ClassDescriptor of GovXML
  + Search option
    - Checkitem
    - Condition
    - Hold
* **GetStandardChoices**
  + StandardChoiceTypeEnum is not defined anywhere
  + java.lang.NullPointerException at com.accela.aa.aaxml.govxml.operations.GetStandardChoicesOperation.performOperation(GetStandardChoicesOperation.java:42)
* **~~GetStandardComments~~**
* **GetTimeAccountingGroups**
  + Listed in AccelaOperationRepository\_GovXML, but not in AccelaOpenSystemInterfaceXML
* **GetTimeAccountingTypes**
  + Listed in AccelaOperationRepository\_GovXML, but not in AccelaOpenSystemInterfaceXML
* **GetUserSecurities**
  + Listed in AccelaOperationRepository\_GovXML, but not in AccelaOpenSystemInterfaceXML
* **GetUserSecurities**
  + Listed in AccelaOperationRepository\_GovXML, but not in AccelaOpenSystemInterfaceXML
  + Response has spaces in name and reference
* **GetWorkflow**
  + In Process TaskItems ends up as "task-items"
  + isRestrictView4ACA - minOccurs = 0, yet blank still returned
  + restrictRole - minOccurs = 0, yet blank still returned
  + inPossessionTime - minOccurs = 0, yet blank still returned
  + trackStartDate - minOccurs = 0, yet blank still returned
  + asgnEmailDisp - minOccurs = 0, yet blank still returned
* **GetWorkflowHistory**
  + isRestrictView4ACA - minOccurs = 0, yet blank still returned
  + restrictRole - minOccurs = 0, yet blank still returned
  + inPossessionTime - minOccurs = 0, yet blank still returned
  + trackStartDate - minOccurs = 0, yet blank still returned
  + asgnEmailDisp - minOccurs = 0, yet blank still returned
* **GetWorkflowTaskStatusValues**
  + returns empty set
* **GetWorksheets**
  + Where are they defined? I don't think we use them

[Comment] GetWorksheets is used for getting AccessFees of a specific CAP, the search choice is CAPIds.

<CAPIds>

<CAPId>

<Keys>

<Key>10CAP</Key>

<Key>00000</Key>

<Key>0007Z</Key>

</Keys>

</CAPId>

</CAPIds>

* + Search choice
    - CAPIds
    - CAPTypeIds

[Comment] This is not supported by AA.

* + - WorksheetIds

[Comment] This is not supported by AA.

* **InitiateCAP (Start here)**
  + parentCAPIds does not work.
  + I assume Department is for assigning a department, but it doesn't work.
  + I assume StaffPerson is for assigning to staff, but it doesn't work
  + How do you get the address to match the reference address?
  + Address choice
    - CompactAddressId - need example. Creates CAP, but does not add an address. I got the CompactAddressId from a different CAP.

[Comment] This is not supported by AA and will be removed from schema.

* + - DetailAddress - Adds address, but doesn't match reference address.
  + GIS choice
    - GISObjectIds - Can't tell if it's working or not
    - GISObjects - Can't tell if it's working or not
  + Parcel choice
    - Both choices return the same error (Script Engine) com.accela.aa.emse.util.AAScriptSyntaxException:undefined: getCapID is not a function. (script; line 56). I turned off our appSubmitAfter scripts scripting to see if they were causing it, but I still get the error. The case is still created
    - ParcelIds - returns an error
    - Parcels - returns an error
* **PostMileage**
  + Where are vehicle IDs stored? I don't think we have implemented any at this site, so I can't test.
  + [Comment] The vehicle id is stored in column: G6TRACK. VEHICLE\_ID.
* **PostPayment**
  + No example provided
  + - Need example

[Comment] See the example as below:

<?xml version="1.0" encoding="us-ascii"?>

<GovXML xmlns="http://www.accela.com/schema/AccelaWirelessXML">

<PostPayment>

<System>

<XMLVersion>GovXML-1.0.0</XMLVersion><ServiceProviderCode> ACFW </ServiceProviderCode>

<Username>ADMIN</Username><MaxRows>0</MaxRows><StartRow>0</StartRow>

<ApplicationState>12062714022289138248</ApplicationState><Context>AccelaWirelessInspection</Context>

</System>

<Payments>

<Payment>

<Card>

<CardNum>1234567890</CardNum>

<ExpDate>052015</ExpDate>

<AuthCode>4123</AuthCode>

<HolderName>Smith White</HolderName>

</Card>

<amount>20</amount>

<currency>USD</currency>

<method>Credit Card</method>

<InvoiceIds>

<InvoiceId>

<Keys>

<Key>70919</Key>

</Keys>

</InvoiceId>

</InvoiceIds>

<PaymentPayor>ADMIN</PaymentPayor>

</Payment>

</Payments>

</PostPayment></GovXML>

* **PostTransactionLog**
  + No example provided
* **~~RescheduleInspection~~**
* **ScheduleInspection** 
  + Under Inspection CAPId and CAP are supposed to be a choice, but both appear in the response
  + Under AdditionalInformationSubGroup type is defined as an element, but is returned as an attribute
* **SetInspectionPriority**
  + Where in the database is the priority stored? I think it works, but can't verify.

[Comment] It’s stored in column: G6ACTION. G6\_REC\_TYP.

* **UpdateAsset**
  + Need to get GetAsset working first
* **UpdateCAP**
  + HTML documentation is missing quite a few of the newer options
  + Context (out of curiosity does this pertain to the CAP or the choice below?) I used Replace in my verification analysis below, but all tests were run for the request/response examples.
    - Add
    - Append
    - Delete
    - DeleteAll
    - Existing
    - New
    - Replace
    - Readonly
    - Update
  + Choice
    - AdditionalInformation - error saying value is null, yet is a full copy from another CAP of same type
    - Addresses - added, not replaced
    - ApprovalDate - Where is it stored

[Comment] This is not an available field for UpdateCAP.

* + - CAPRelations - Need example

[Comment] The example for CAPRelations node as below :

<CAPRelations>

<CAPRelation action="Add">

<CAPId>

<Keys>

<Key>BLD12</Key>

<Key>00000</Key>

<Key>00010</Key>

</Keys>

<Value>2012-FDIS-MTN-000002</Value>

</CAPId>

<contextType>Child</contextType>

</CAPRelation>

</CAPRelations>

* + - Checklist - We don't use checklists so can't test
    - CompactAddresses
    - Conditions
    - Contacts - not added
    - ~~Description~~
    - EffectiveDate - Where is it stored

[Comment] This is not an available field for UpdateCAP.

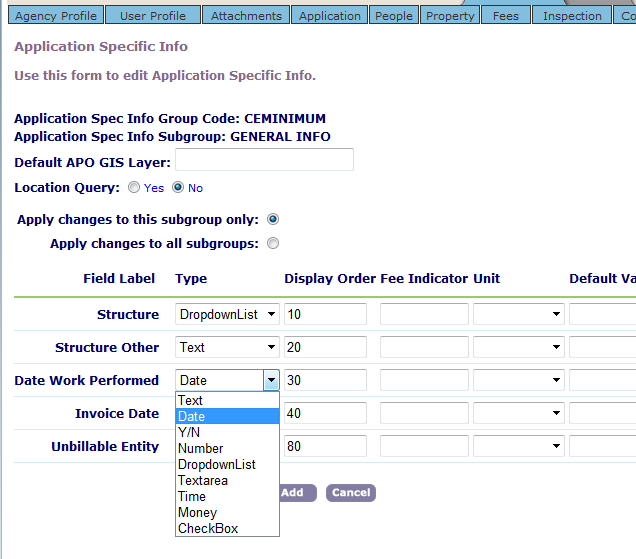
* + - ExpirationDate - Where is it stored

[Comment] This is not an available field for UpdateCAP.

* + - ElectronicSignatures
    - FileDate - didn't change
    - GISObjects
    - GISObjectIds
    - Holds
    - ParcelIds - not replaced
    - Parcels - not replaced
    - SpatialDescriptors
    - SpatialObjects
    - Status - changed to null
    - Type - Need example (can you change the CAP Type?)
    - Worksheets
    - Assets
    - Parts
    - CostItems
    - ParentCAPIds
    - ~~Department~~
    - StaffPerson - stayed null
    - AssignedDate - stayed null
    - ~~ScheduleDate~~
    - ScheduleTime - Not set
* **UpdateDocument**
  + Need to get GetDocument working first
* **UpdateInspection**
  + I get error code 0001 - com.accela.aa.aaxml.govxml.operations.OperationCreationException, but can't figure out what I should be doing different. See XML Request/Response. In general I'm getting the Inspection I want to update, then setting the updateInspection request inspection portion to be the same as getInspectionResponse inspection portion. I modified the 4th item of the key to be in the INSP-012345678 format because it isn't returned that way, context, status, result comment and updated one guide item.
* **UpdateParcel**
  + Need to get GetParcel working first
* **UpdateWorkflowTask**
  + No example provided
  + I get error code 1005 Result = Failed. I saw someone else trying to get this to work on the forum as well so I would like this prioritized as well.
* **UpdateWorksheet**
  + Need to get GetWorksheet working first
  + Context
    - Add
    - Append
    - Delete
    - DeleteAll
    - Existing
    - New
    - Replace
    - Readonly
    - Update

# Other errors

* **AccelaGovXMLDataObjects.xsd**
  + **Usage** xsd:attribute name=”action” is not terminated
  + **Usage** xsd:element name=”readingDate” minOccOURS should be minOccurs
  + **AssetCAs** is only defined as Identifier
  + **AssetCAType** has more than one definition
  + **AssetCATypes** has more than one definition
  + **AssetCAIds** has more than one definition
  + **AssetCA** has more than one definition
  + **GISObject** defines GISLayerId twice
  + **AssetType** Types reference missing
  + **SpatialEntity** contextType references spatialReferenceTypeEnum returned a value of "Reference" which is not part of the enumeration.
  + **DataType** contains a definition for an Enum called "type". The values there do not match the drop down for available data types available for Application Specific Info fields. Found when "Time" was returned, but can't be deserialized.
  + **DataType** specifies "Choice" for enumeration, Enumerations, enumerationListId and inputRange, but enumeration, inputRange and Enumerations were all returned in call to GetAdditionalInformation



* + **Attribute** “dispalyOrder” is misspelled
  + **Districts** is an extension of “elements” which isn’t defined
  + **InspectionRelation** elements are missing ending />
  + **Parcel** Parcelgenealogy ref misspelled fef
  + **parcelsGenealogyTypeEnum** ; in simpleType
  + **Payment** refers to pay:ACH, Card, Check. Where is XSD it refers to? Can’t get to it via URL
  + “**Type**” is defined twice, the second one should probably be “Types”
  + How does "**TextDefault**" get a "Keys" grouping? It is not in the base nor is it included in the definition.
  + **AdditionalInformationSubGroup** "type"
    - is an enumeration that is not marked as minOccurs="0" yet doesn't appear in response
    - is defined as an element, but is returned as an attribute
  + **Inspection** CAPId and CAP are supposed to be a choice, but both appear in the response
  + **InspectionUnitIdentifier** when there is only one blank key it still appears, in general if keys are blank, they shouldn't appear
  + **CAPId** TrackingNumber is defined as type="xsd:nonNegativeInteger" but returned a values much larger as shown above as well. Should be 64 bit instead of 32 bit
  + **SeverityLevel** "level" should be "Level" based on response from GetConditionTypes
  + **Contact** element isPrimary should be attribute
  + **GuideItem** StatusEnumerationListId looks more like a string than an StatusEnumerationList which is based on Enumeration
  + **CAPStatus** shouldn't need its own definition of IdentifierDisplay as it is inherited from Status
  + **CAPType** definition
    - Missing DocumentGroupIds

<DocumentGroupIds>

<DocumentGroupId>

<Keys>

<Key>CETICKET</Key>

</Keys>

<IdentifierDisplay>CETICKET</IdentifierDisplay>

</DocumentGroupId>

</DocumentGroupIds>

* + - Group, SubGroup,Category and type are all missing from definition, Renaming from screen and database is really confusing especially when "type" is referred to differently.

<Group>CodeEnforcement</Group> = b1\_per\_group

<SubGroup>Site Visit</SubGroup> = b1\_per\_type

<Category>Residential</Category> = b1\_per\_sub\_type

<type>Order</type> = b1\_per\_category

* **AccelaOperationRepository\_GovXML.xsd**
  + “**Elements**” is not defined anywhere
  + “**ReturnElements**” is not defined anywhere
  + **GetCAPs** response in **SpatialEntity** contextType returned "Daily" which is not defined in spatialReferenceTypeEnum
  + **GetCAPs** response in **DetailAddress** streetDirection returned "" which is not defined in directionEnum. Blanks should be suppressed because it is an enumeration and is tagged minOccurs = 0
  + **GetWorkflowTaskStatusValuesResponse** is based on OperationResponse, yet doesn't have a system object
  + **GetInspections** returned an inspection with a blank contextType. This seems to be the case for "Rescheduled" inspections

<Inspection>

<globalId xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL"/>

<ownerHistory xmlns="http://www.iai-international.org/ifcXML/ifc2x/IFC2X\_FINAL"/>

<Keys>

<Key>11ADM</Key>

<Key>00000</Key>

<Key>06331</Key>

<Key>2206487</Key>

</Keys>

<IdentifierDisplay>EXC Final Inspection</IdentifierDisplay>

<contextType></contextType>

<priority>0.0</priority>

<CAPId>

<Keys>

<Key>11ADM</Key>

<Key>00000</Key>

<Key>06331</Key>

</Keys>

<IdentifierDisplay>11EXC02691</IdentifierDisplay>

<TrackingNumber>208518838262</TrackingNumber>

</CAPId>

* + **GetParcel** returnDisabledParcels xsd:element tag not closed
  + **GetParcel** returnRefParcels xsd:element tag not closed
* **AccelaOpenSystemRepository.xsd**
  + **FSystemOut** not declared