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**Substance Misuse Data Set**  
**Implementation Date: 1<sup>st</sup> April 2014**

**Technical Specification**

Version: 2.0 Final  
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## Purpose

This document contains technical instructions for the submission of files to the Welsh National Database for Substance Misuse (WNDSM), via the NHS Wales Data Switching Service, effective from 1 April 2014.

This document should be read in conjunction with the Substance Misuse Data Set Business Definition Document, which describes the business and data definitional changes required to the dataset content. These two documents together will provide all the information needed to make the required changes for the new submission format.

## Background

Substance Misuse agencies across Wales are required by Welsh Government to make a monthly submission of data for clients being treated to the Substance Misuse National Database. This information is used for a variety of purposes, including monitoring the agencies performance against a series of nationally-agreed Key Performance Indicators (KPIs).

The Welsh National Database for Substance Misuse was first established in 2005, and the data required to be submitted by agencies has changed several times over the years to reflect changing Welsh Government policy, and increasing 'richness' of the dataset to allow more sophisticated analysis of agencies activity.

Whilst the dataset content has changed several times over the years, the overall mechanism for extracting data from the local systems has not. This has remained as a flat ASCII file in either CSV for fixed format, with one record within the file containing broadly all the information relative to a client journey. The introduction of Treatment Outcomes Profile (TOPs) in 2009 required agencies to submit multiple records per referral, with most of the data fields repeated, and the proposed changes from April 2014 will exacerbate this. Accordingly it has been agreed that from that date, information will be transferred in XML format, which allows for the more appropriate submission of data pertaining to individual 'events' associated with a client's substance misuse treatment 'journey'.

## Summary of changes

Extensible Markup Language (XML) is a simple, very flexible text format derived from SGML (ISO 8879). Originally designed to meet the challenges of large-scale electronic publishing, XML is also playing an increasingly important role in the exchange of a wide variety of data on the Web and elsewhere. XML is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable, as defined by the World Wide Web Consortium (W3C – see <http://www.w3c.org/XML>). There is a good overview of the XML technology suite on Wikipedia (see <http://en.wikipedia.org/wiki/XML> ) and the W3C XML Schema Primer, <http://www.w3.org/TR/xmlschema-0/>, provides a guide to creating schemas.

XML is now widely used within the NHS for the transfer of data, and brings numerous clear benefits:

- It allows rich complex datasets to be held and transferred in a clear, precise manner.
- The format for a given message structure is described in a separate document – an XML Schema – which can also be used to validate that XML documents are in the required format.

## Client Journey Scenario

An important change in submissions from April 2014 is that it will no longer be necessary to re-submit all data items for a client's journey each time there is a 'Client event' (see Business Definition Doc for background). For example; if a Treatment Outcomes Profile (TOP) is carried out with a client, it is no longer necessary to resubmit all the other details, such as those associated with their assessment and treatment(s).

The following table summarises the key elements which can be submitted at different times in the client journey, this is an example of a client journey containing the following events:

1. Referral
2. Assessment
3. Treatment Modality 1 Starts
4. Start Treatment Outcomes Profile (TOP) undertaken
5. Second Treatment Modality agreed
6. Review TOP undertaken
7. Treatment Modality 1 Ends
8. Treatment Modality 2 Ends, Exit TOP undertaken, Client Discharged

<i>XML message element submitted:</i>	<i>Event:</i>	1	2	3	4	5	6	7	8
<b>Client Details</b>		X	X						
<b>Referral Details</b>		X	X	X	X	X	X	X	X
<b>Assessment</b>			X						
<b>Treatment Details (1<sup>st</sup>)</b>				X				X	
<b>Treatment Details(2<sup>nd</sup>)</b>						X			X
<b>TOP</b>					X		X		X
<b>Discharge</b>									X

Notes:

1. The Referral section needs to be submitted in each XML message in order to link to data already submitted.
2. The Client details need only be re-submitted at Assessment if not complete at Referral.
3. Multiple sections can be included within a message to indicate the occurrence of multiple events, but Client Details and Referral Details should only occur once.

## Making changes to data already submitted

The message container ("ClientReferral" in the XML Schema) and the sections for Assessment, Treatment, TOP and Discharge have an attribute UpdateStatus which has three possible values:

- 1) add
  - The section being submitted contains new data that has not already been submitted.
- 2) update
  - The section being submitted is an update, replacing data that has already been submitted.
- 3) delete
  - The section being submitted is an instruction to delete data that has already been submitted.

The update status of the message container applies to the Referral and Client sections.

The following table summarises the value of update status for the message elements at different times in the client journey, for the following events:

<b>Event:</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>XML message element submitted:</b>								
<b>Client Referral Details</b>	new	update	update	update	update	update	update	update
<b>Assessment</b>		new						
<b>Treatment Details (1<sup>st</sup>)</b>			new				update	
<b>Treatment Details(2<sup>nd</sup>)</b>					new			update
<b>TOP</b>				new		new		new
<b>Discharge</b>								new

Examples of these are included in Appendix A.

When data for an event is included in the XML message, all the fields associated with the event must be specified, regardless of the update status. However, non key fields can be blank (these are defined in the associated business definition document). (Blank fields may later be rejected by the validation process.)

For an insert or an update an empty field will be read as the value the agency are submitting.  
 For a deletion only the key fields need be populated – however because of the schema restrictions the other fields need to be present.

For update and delete records the key fields must match values that have already been submitted. To update the key fields it is necessary to submit a “delete” for the appropriate section followed by an “add” record; for Assessment Treatment, TOP and Discharge this can be within the same message. If a Referral deletion is submitted all linked data already submitted will also be deleted.

The key fields have been identified as:

**Client Details**

- First Letter of Surname
- First Letter of Forename

Date of Birth  
Gender

#### **Referral Details**

Agency Code  
Agency Client Number  
Date of Referral

#### **Assessment Details**

Assessment Date

#### **Treatment Details**

Treatment Modality Type  
Modality Referral Date

#### **Treatment Outcome Profile Details**

TOP Number  
TOP Interview Date

#### **Discharge Details**

Date Contact Ended

#### XML Schemas

Three XML Schemas are provided with this document:

<b>Document Name:</b>	<b>Description:</b>
DataReturnDatatypes-v0-4.xsd	Data Return Data Types e.g. alphanumeric 6, date, digit2, etc
SubstanceMisuseDataReturnComponents-v0-4.xsd	Data Return Components e.g. AgencyCode = alphanumeric 6
SubstanceMisuseDataReturn-v0-4.xsd	Data Return e.g. Referral contains AgencyCode, etc
SubstanceMisuseDataReturn-v0-4.pdf	Schema Documentation
SubstanceMisuseReturnExample-v0-4.xml	Return Example

#### Submission of files via the NHS Wales Data Switching Service

The new XML submission files will continue to be submitted to NWIS on the 7<sup>th</sup> of the month via the NHS Wales Data Switching Service (NWDSS). Agency staff will upload the new file (which should have an extension of '.xml') manually.

Several options will be required to allow agencies sufficient flexibility to be able to generate submissions:

- Current 'outstanding' events since last submission.
- All events between two dates.
- Full extract.

Agency staff should be able to generate the submission file whenever they wish to.

## Appendix A – Examples of XML message elements

These are provided for technical purposes and are not business content examples.  
See also SubstanceMisuseReturnExample-v0-4.xml

Event	XML
<p>Referral</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "add"</li> <li>- Include Referral Details and Client Details</li> </ul>	<pre>&lt;ClientReferralupdateStatus="add"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;ClientDetails&gt; &lt;NHSnumber&gt;&lt;/NHSnumber&gt; &lt;SurnameInitial&gt;A&lt;/SurnameInitial&gt; &lt;ForenameInitial&gt;A&lt;/ForenameInitial&gt; &lt;DateOfBirth&gt;1967-01-01&lt;/DateOfBirth&gt; &lt;Gender&gt;9&lt;/Gender&gt; &lt;EthnicCategory&gt;Z&lt;/EthnicCategory&gt; &lt;ShortPostcode&gt;&lt;/ShortPostcode&gt; &lt;LocalAuthority&gt;000&lt;/LocalAuthority&gt; &lt;/ClientDetails&gt; &lt;/ClientReferral&gt;</pre>
<p>Assessment</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Referral Details</li> <li>- Assessment Details, status = add</li> </ul>	<pre>&lt;ClientReferralupdateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;ClientDetails&gt; &lt;NHSnumber&gt;0000000000&lt;/NHSnumber&gt; &lt;SurnameInitial&gt;A&lt;/SurnameInitial&gt; &lt;ForenameInitial&gt;A&lt;/ForenameInitial&gt; &lt;DateOfBirth&gt;1967-01-01&lt;/DateOfBirth&gt; &lt;Gender&gt;9&lt;/Gender&gt; &lt;EthnicCategory&gt;Z&lt;/EthnicCategory&gt; &lt;ShortPostcode&gt;LL65 5&lt;/ShortPostcode&gt; &lt;LocalAuthority&gt;000&lt;/LocalAuthority&gt; &lt;/ClientDetails&gt; &lt;AssessmentDetails updateStatus="add"&gt; &lt;AssessmentDate&gt;2006-05-04&lt;/AssessmentDate&gt; &lt;PreviouslyTreated&gt;0&lt;/PreviouslyTreated&gt; &lt;ExServicesPersonnel&gt;0&lt;/ExServicesPersonnel&gt; &lt;ParentalResponsibility&gt;00&lt;/ParentalResponsibility&gt; &lt;ChildrenLivingInHousehold&gt;00&lt;/ChildrenLivingInHousehold&gt; &lt;ProblemSubstance1&gt;0000&lt;/ProblemSubstance1&gt; &lt;ProblemSubstance2&gt;0000&lt;/ProblemSubstance2&gt; &lt;ProblemSubstance3&gt;0000&lt;/ProblemSubstance3&gt; &lt;InjectingStatus&gt;00&lt;/InjectingStatus&gt; &lt;HepatitisB-VacStatus&gt;00&lt;/HepatitisB-VacStatus&gt; &lt;BBV-VacStatus&gt;00&lt;/BBV-VacStatus&gt; &lt;MentalHealthIssues&gt;0&lt;/MentalHealthIssues&gt; &lt;AccommodationNeed&gt;00&lt;/AccommodationNeed&gt; &lt;EmploymentStatus&gt;00&lt;/EmploymentStatus&gt; &lt;/AssessmentDetails&gt; &lt;/ClientReferral&gt;</pre>

<p>Treatment</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Referral Details</li> <li>- Treatment Details, update status = "add"</li> </ul>	<pre> &lt;ClientReferral updateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;TreatmentModalityDetails updateStatus="add"&gt; &lt;TreatmentModalityKind&gt;00&lt;/TreatmentModalityKind&gt; &lt;ModalityReferralDate&gt;2006-05-04&lt;/ModalityReferralDate&gt; &lt;ModalityFirstApptOfferedDate&gt;2006-05- 04&lt;/ModalityFirstApptOfferedDate&gt; &lt;ModalityStartDate&gt;2006-05-04&lt;/ModalityStartDate&gt; &lt;ModalityEndDate&gt;2006-05-04&lt;/ModalityEndDate&gt; &lt;ModalityExitStatus&gt;00&lt;/ModalityExitStatus&gt; &lt;/TreatmentModalityDetails&gt; &lt;/ClientReferral&gt; </pre>
<p>TOP</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Referral Details</li> <li>- Treatment Outcome Profile Details, update status = "add"</li> </ul>	<pre> &lt;ClientReferral updateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;TreatmentOutcomeProfileDetails updateStatus="add"&gt; &lt;TOPnumber&gt;000000&lt;/TOPnumber&gt; &lt;TOPinterviewDate&gt;2006-05-04&lt;/TOPinterviewDate&gt; &lt;TreatmentStage&gt;&lt;/TreatmentStage&gt; &lt;DaysAlcoholUsed&gt;00&lt;/DaysAlcoholUsed&gt; &lt;DaysOpiateUsed&gt;00&lt;/DaysOpiateUsed&gt; &lt;DaysCrackUsed&gt;00&lt;/DaysCrackUsed&gt; &lt;DaysCocaineUsed&gt;00&lt;/DaysCocaineUsed&gt; &lt;DaysAmphetaminesUsed&gt;00&lt;/DaysAmphetaminesUsed&gt; &lt;DaysCannabisUsed&gt;00&lt;/DaysCannabisUsed&gt; &lt;OtherProblemSubstance&gt;0000&lt;/OtherProblemSubstance&gt; &lt;DaysOtherSubstanceUsed&gt;00&lt;/DaysOtherSubstanceUsed&gt; &lt;DaysInjected&gt;00&lt;/DaysInjected&gt; &lt;InjectedSharedSharp&gt;0&lt;/InjectedSharedSharp&gt; &lt;DaysShoplifting&gt;00&lt;/DaysShoplifting&gt; &lt;DaysDrugSelling&gt;00&lt;/DaysDrugSelling&gt; &lt;CriminalOffenceStatus&gt;00&lt;/CriminalOffenceStatus&gt; &lt;AssaultOrViolence&gt;00&lt;/AssaultOrViolence&gt; &lt;PsychologicalHealthStatus&gt;00&lt;/PsychologicalHealthStatus&gt; &lt;DaysPaidWork&gt;00&lt;/DaysPaidWork&gt; &lt;DaysCollegeOrSchool&gt;00&lt;/DaysCollegeOrSchool&gt; &lt;PhysicalHealthStatus&gt;00&lt;/PhysicalHealthStatus&gt; &lt;UrgentHousingProblemStatus&gt;00&lt;/UrgentHousingProblemStatus&gt; &lt;RiskOfEvictionStatus&gt;00&lt;/RiskOfEvictionStatus&gt; &lt;QualityOfLifeStatus&gt;00&lt;/QualityOfLifeStatus&gt; &lt;/TreatmentOutcomeProfileDetails&gt; &lt;/ClientReferral&gt; </pre>

<p>Discharge</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Referral Details</li> <li>- Discharge Details, update status = "add"</li> </ul>	<pre>&lt;ClientReferralupdateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;DischargeDetailsupdateStatus="add"&gt; &lt;DateContactEnded&gt;2013-09-01&lt;/DateContactEnded&gt; &lt;ReasonContactEnded&gt;00&lt;/ReasonContactEnded&gt; &lt;/DischargeDetails&gt; &lt;/ClientReferral&gt;</pre>
<p>Complete pathway</p> <ul style="list-style-type: none"> <li>- All relevant details; Assessment, Treatment and TOPs can be repeated within the Client Referral</li> </ul>	<pre>&lt;ClientReferral updateStatus="add"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;ClientDetails&gt; &lt;NHSnumber&gt;0000000000&lt;/NHSnumber&gt; &lt;SurnameInitial&gt;A&lt;/SurnameInitial&gt; &lt;ForenameInitial&gt;A&lt;/ForenameInitial&gt; &lt;DateOfBirth&gt;1967-01-01&lt;/DateOfBirth&gt; &lt;Gender&gt;9&lt;/Gender&gt; &lt;EthnicCategory&gt;Z&lt;/EthnicCategory&gt; &lt;ShortPostcode&gt;LL65 5&lt;/ShortPostcode&gt; &lt;LocalAuthority&gt;000&lt;/LocalAuthority&gt; &lt;/ClientDetails&gt; &lt;AssessmentDetails updateStatus="add"&gt; &lt;AssessmentDate&gt;2006-05-04&lt;/AssessmentDate&gt; &lt;PreviouslyTreated&gt;0&lt;/PreviouslyTreated&gt; &lt;ExServicesPersonnel&gt;0&lt;/ExServicesPersonnel&gt; &lt;ParentalResponsibility&gt;00&lt;/ParentalResponsibility&gt; &lt;ChildrenLivingInHousehold&gt;00&lt;/ChildrenLivingInHousehold&gt; &lt;ProblemSubstance1&gt;0000&lt;/ProblemSubstance1&gt; &lt;ProblemSubstance2&gt;0000&lt;/ProblemSubstance2&gt; &lt;ProblemSubstance3&gt;0000&lt;/ProblemSubstance3&gt; &lt;InjectingStatus&gt;00&lt;/InjectingStatus&gt; &lt;HepatitisB-VacStatus&gt;00&lt;/HepatitisB-VacStatus&gt; &lt;BBV-VacStatus&gt;00&lt;/BBV-VacStatus&gt; &lt;MentalHealthIssues&gt;0&lt;/MentalHealthIssues&gt; &lt;AccommodationNeed&gt;00&lt;/AccommodationNeed&gt; &lt;EmploymentStatus&gt;00&lt;/EmploymentStatus&gt; &lt;/AssessmentDetails&gt; &lt;TreatmentModalityDetails updateStatus="add"&gt; &lt;TreatmentModalityKind&gt;00&lt;/TreatmentModalityKind&gt; &lt;ModalityReferralDate&gt;2006-05-04&lt;/ModalityReferralDate&gt; &lt;ModalityFirstApptOfferedDate&gt;2006-05- 04&lt;/ModalityFirstApptOfferedDate&gt; &lt;ModalityStartDate&gt;2006-05-04&lt;/ModalityStartDate&gt; &lt;ModalityEndDate&gt;2006-05-04&lt;/ModalityEndDate&gt; &lt;ModalityExitStatus&gt;00&lt;/ModalityExitStatus&gt; &lt;/TreatmentModalityDetails&gt; &lt;TreatmentOutcomeProfileDetails updateStatus="add"&gt; &lt;TOPnumber&gt;000000&lt;/TOPnumber&gt; &lt;TOPinterviewDate&gt;2006-05-04&lt;/TOPinterviewDate&gt;</pre>



	<pre> &lt;TreatmentStage&gt;00&lt;/TreatmentStage&gt; &lt;DaysAlcoholUsed&gt;00&lt;/DaysAlcoholUsed&gt; &lt;DaysOpiateUsed&gt;00&lt;/DaysOpiateUsed&gt; &lt;DaysCrackUsed&gt;00&lt;/DaysCrackUsed&gt; &lt;DaysCocaineUsed&gt;00&lt;/DaysCocaineUsed&gt; &lt;DaysAmphetaminesUsed&gt;00&lt;/DaysAmphetaminesUsed&gt; &lt;DaysCannabisUsed&gt;00&lt;/DaysCannabisUsed&gt; &lt;OtherProblemSubstance&gt;0000&lt;/OtherProblemSubstance&gt; &lt;DaysOtherSubstanceUsed&gt;00&lt;/DaysOtherSubstanceUsed&gt; &lt;DaysInjected&gt;00&lt;/DaysInjected&gt; &lt;InjectedSharedSharp&gt;0&lt;/InjectedSharedSharp&gt; &lt;DaysShoplifting&gt;00&lt;/DaysShoplifting&gt; &lt;DaysDrugSelling&gt;00&lt;/DaysDrugSelling&gt; &lt;CriminalOffenceStatus&gt;00&lt;/CriminalOffenceStatus&gt; &lt;AssaultOrViolence&gt;00&lt;/AssaultOrViolence&gt; &lt;PsychologicalHealthStatus&gt;00&lt;/PsychologicalHealthStatus&gt; &lt;DaysPaidWork&gt;00&lt;/DaysPaidWork&gt; &lt;DaysCollegeOrSchool&gt;00&lt;/DaysCollegeOrSchool&gt; &lt;PhysicalHealthStatus&gt;00&lt;/PhysicalHealthStatus&gt; &lt;UrgentHousingProblemStatus&gt;00&lt;/UrgentHousingProblemStatus&gt; &lt;RiskOfEvictionStatus&gt;00&lt;/RiskOfEvictionStatus&gt; &lt;QualityOfLifeStatus&gt;00&lt;/QualityOfLifeStatus&gt; &lt;/TreatmentOutcomeProfileDetails&gt; &lt;DischargeDetailsupdateStatus="add"&gt; &lt;DateContactEnded&gt;2013-09-01&lt;/DateContactEnded&gt; &lt;ReasonContactEnded&gt;00&lt;/ReasonContactEnded&gt; &lt;/DischargeDetails&gt; &lt;/ClientReferral&gt; </pre>
<p>Update Referral</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Include Referral Details</li> <li>- Only Source of Referral can be amended</li> </ul>	<pre> &lt;ClientReferralupdateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;/ClientReferral&gt; </pre>

<p>Update Assessment</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Assessment Details, update status = "update"</li> </ul>	<pre> &lt;ClientReferralupdateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;AssessmentDetails updateStatus="update"&gt; &lt;AssessmentDate&gt;2006-05-04&lt;/AssessmentDate&gt; &lt;PreviouslyTreated&gt;0&lt;/PreviouslyTreated&gt; &lt;ExServicesPersonnel&gt;0&lt;/ExServicesPersonnel&gt; &lt;ParentalResponsibility&gt;00&lt;/ParentalResponsibility&gt; &lt;ChildrenLivingInHousehold&gt;00&lt;/ChildrenLivingInHousehold&gt; &lt;ProblemSubstance1&gt;0000&lt;/ProblemSubstance1&gt; &lt;ProblemSubstance2&gt;0000&lt;/ProblemSubstance2&gt; &lt;ProblemSubstance3&gt;0000&lt;/ProblemSubstance3&gt; &lt;InjectingStatus&gt;00&lt;/InjectingStatus&gt; &lt;HepatitisB-VacStatus&gt;00&lt;/HepatitisB-VacStatus&gt; &lt;BBV-VacStatus&gt;00&lt;/BBV-VacStatus&gt; &lt;MentalHealthIssues&gt;0&lt;/MentalHealthIssues&gt; &lt;AccommodationNeed&gt;00&lt;/AccommodationNeed&gt; &lt;EmploymentStatus&gt;00&lt;/EmploymentStatus&gt; &lt;/AssessmentDetails&gt; &lt;/ClientReferral&gt; </pre>
<p>Update Treatment</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Treatment Modality Details, update status = "update"</li> <li>- TreatmentModalityKind and DateReferredTo Modality are used to identify the detail to update</li> </ul>	<pre> &lt;ClientReferral updateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;TreatmentModalityDetails updateStatus="update"&gt; &lt;TreatmentModalityKind&gt;00&lt;/TreatmentModalityKind&gt; &lt;ModalityReferralDate&gt;2006-05-04&lt;/ModalityReferralDate&gt; &lt;ModalityFirstApptOfferedDate&gt;2006-05-04&lt;/ModalityFirstApptOfferedDate&gt; &lt;ModalityStartDate&gt;2006-05-04&lt;/ModalityStartDate&gt; &lt;ModalityEndDate&gt;2006-05-04&lt;/ModalityEndDate&gt; &lt;ModalityExitStatus&gt;00&lt;/ModalityExitStatus&gt; &lt;/TreatmentModalityDetails&gt; &lt;/ClientReferral&gt; </pre>
<p>Update TOP</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Treatment Outcome Profile Details, update status = "update"</li> <li>- TOPnumber and TOPinterviewDate are used to</li> </ul>	<pre> &lt;ClientReferral updateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;TreatmentOutcomeProfileDetails updateStatus="update"&gt; &lt;TOPnumber&gt;000000&lt;/TOPnumber&gt; &lt;TOPinterviewDate&gt;2006-05-04&lt;/TOPinterviewDate&gt; &lt;TreatmentStage&gt;00&lt;/TreatmentStage&gt; &lt;DaysAlcoholUsed&gt;00&lt;/DaysAlcoholUsed&gt; &lt;DaysOpiateUsed&gt;00&lt;/DaysOpiateUsed&gt; &lt;DaysCrackUsed&gt;00&lt;/DaysCrackUsed&gt; </pre>

<p>match the detail to update</p>	<pre>&lt;DaysCocaineUsed&gt;00&lt;/DaysCocaineUsed&gt; &lt;DaysAmphetaminesUsed&gt;00&lt;/DaysAmphetaminesUsed&gt; &lt;DaysCannabisUsed&gt;00&lt;/DaysCannabisUsed&gt; &lt;OtherProblemSubstance&gt;0000&lt;/OtherProblemSubstance&gt; &lt;DaysOtherSubstanceUsed&gt;00&lt;/DaysOtherSubstanceUsed&gt; &lt;DaysInjected&gt;00&lt;/DaysInjected&gt; &lt;InjectedSharedSharp&gt;0&lt;/InjectedSharedSharp&gt; &lt;DaysShoplifting&gt;00&lt;/DaysShoplifting&gt; &lt;DaysDrugSelling&gt;00&lt;/DaysDrugSelling&gt; &lt;CriminalOffenceStatus&gt;00&lt;/CriminalOffenceStatus&gt; &lt;AssaultOrViolence&gt;00&lt;/AssaultOrViolence&gt; &lt;PsychologicalHealthStatus&gt;00&lt;/PsychologicalHealthStatus&gt; &lt;DaysPaidWork&gt;00&lt;/DaysPaidWork&gt; &lt;DaysCollegeOrSchool&gt;00&lt;/DaysCollegeOrSchool&gt; &lt;PhysicalHealthStatus&gt;00&lt;/PhysicalHealthStatus&gt; &lt;UrgentHousingProblemStatus&gt;00&lt;/UrgentHousingProblemStatus&gt; &lt;RiskOfEvictionStatus&gt;00&lt;/RiskOfEvictionStatus&gt; &lt;QualityOfLifeStatus&gt;00&lt;/QualityOfLifeStatus&gt; &lt;/TreatmentOutcomeProfileDetails&gt; &lt;/ClientReferral&gt;</pre>
<p>Update Discharge</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Referral Details</li> <li>- Discharge Details, update status = "update"</li> </ul>	<pre>&lt;ClientReferralupdateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;DischargeDetailsupdateStatus="update"&gt; &lt;DateContactEnded&gt;2013-09-01&lt;/DateContactEnded&gt; &lt;ReasonContactEnded&gt;00&lt;/ReasonContactEnded&gt; &lt;/DischargeDetails&gt; &lt;/ClientReferral&gt;</pre>
<p>Delete Assessment</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Assessment Details, update status = "delete"</li> </ul>	<pre>&lt;ClientReferralupdateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;AssessmentDetails updateStatus="delete"&gt; &lt;AssessmentDate&gt;2006-05-04&lt;/AssessmentDate&gt; &lt;PreviouslyTreated&gt;&lt;/PreviouslyTreated&gt; &lt;ExServicesPersonnel&gt;&lt;/ExServicesPersonnel&gt; &lt;ParentalResponsibility&gt;&lt;/ParentalResponsibility&gt; &lt;ChildrenLivingInHousehold&gt;&lt;/ChildrenLivingInHousehold&gt; &lt;ProblemSubstance1&gt;&lt;/ProblemSubstance1&gt; &lt;ProblemSubstance2&gt;&lt;/ProblemSubstance2&gt; &lt;ProblemSubstance3&gt;&lt;/ProblemSubstance3&gt; &lt;InjectingStatus&gt;&lt;/InjectingStatus&gt; &lt;HepatitisB-VacStatus&gt;&lt;/HepatitisB-VacStatus&gt; &lt;BBV-VacStatus&gt;&lt;/BBV-VacStatus&gt; &lt;MentalHealthIssues&gt;&lt;/MentalHealthIssues&gt; &lt;AccommodationNeed&gt;&lt;/AccommodationNeed&gt; &lt;EmploymentStatus&gt;&lt;/EmploymentStatus&gt; &lt;/AssessmentDetails&gt; &lt;/ClientReferral&gt;</pre>
<p>Delete Treatment</p>	<pre>&lt;ClientReferral updateStatus="update"&gt;</pre>

<ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Treatment Modality Details, update status = "delete"</li> <li>- TreatmentModalityKind and DateReferredTo Modality are used to identify the detail to delete</li> </ul>	<pre> &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;TreatmentModalityDetails updateStatus="delete"&gt; &lt;TreatmentModalityKind&gt;00&lt;/TreatmentModalityKind&gt; &lt;ModalityReferralDate&gt;2006-05-04&lt;/ModalityReferralDate&gt; &lt;ModalityFirstApptOfferedDate&gt;&lt;/ModalityFirstApptOfferedDate&gt; &lt;ModalityStartDate&gt;&lt;/ModalityStartDate&gt; &lt;ModalityEndDate&gt;&lt;/ModalityEndDate&gt; &lt;ModalityExitStatus&gt;&lt;/ModalityExitStatus&gt; &lt;/TreatmentModalityDetails&gt; &lt;/ClientReferral&gt; </pre>
<p>Delete TOP</p> <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Treatment Outcome Profile Details, update status = "delete"</li> <li>- TOPnumber and TOPinterviewDate are used to match the detail to delete</li> </ul>	<pre> &lt;ClientReferral updateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;TreatmentOutcomeProfileDetails updateStatus="delete"&gt; &lt;TOPnumber&gt;000000&lt;/TOPnumber&gt; &lt;TOPinterviewDate&gt;2006-05-04&lt;/TOPinterviewDate&gt; &lt;TreatmentStage&gt;&lt;/TreatmentStage&gt; &lt;DaysAlcoholUsed&gt;&lt;/DaysAlcoholUsed&gt; &lt;DaysOpiateUsed&gt;&lt;/DaysOpiateUsed&gt; &lt;DaysCrackUsed&gt;&lt;/DaysCrackUsed&gt; &lt;DaysCocaineUsed&gt;&lt;/DaysCocaineUsed&gt; &lt;DaysAmphetaminesUsed&gt;&lt;/DaysAmphetaminesUsed&gt; &lt;DaysCannabisUsed&gt;&lt;/DaysCannabisUsed&gt; &lt;OtherProblemSubstance&gt;&lt;/OtherProblemSubstance&gt; &lt;DaysOtherSubstanceUsed&gt;&lt;/DaysOtherSubstanceUsed&gt; &lt;DaysInjected&gt;&lt;/DaysInjected&gt; &lt;InjectedSharedSharp&gt;&lt;/InjectedSharedSharp&gt; &lt;DaysShoplifting&gt;&lt;/DaysShoplifting&gt; &lt;DaysDrugSelling&gt;&lt;/DaysDrugSelling&gt; &lt;CriminalOffenceStatus&gt;&lt;/CriminalOffenceStatus&gt; &lt;AssaultOrViolence&gt;&lt;/AssaultOrViolence&gt; &lt;PsychologicalHealthStatus&gt;&lt;/PsychologicalHealthStatus&gt; &lt;DaysPaidWork&gt;&lt;/DaysPaidWork&gt; &lt;DaysCollegeOrSchool&gt;&lt;/DaysCollegeOrSchool&gt; &lt;PhysicalHealthStatus&gt;&lt;/PhysicalHealthStatus&gt; &lt;UrgentHousingProblemStatus&gt;&lt;/UrgentHousingProblemStatus&gt; &lt;RiskOfEvictionStatus&gt;&lt;/RiskOfEvictionStatus&gt; &lt;QualityOfLifeStatus&gt;&lt;/QualityOfLifeStatus&gt; &lt;/TreatmentOutcomeProfileDetails&gt; &lt;/ClientReferral&gt; </pre>

Delete Discharge <ul style="list-style-type: none"> <li>- Client Referral update status = "update"</li> <li>- Referral Details</li> <li>- Discharge Details, update status = "delete"</li> </ul>	<pre> &lt;ClientReferralupdateStatus="update"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;00&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;DischargeDetailsupdateStatus="delete"&gt; &lt;DateContactEnded&gt;2013-09-01&lt;/DateContactEnded&gt; &lt;ReasonContactEnded&gt;&lt;/ReasonContactEnded&gt; &lt;/DischargeDetails&gt; &lt;/ClientReferral&gt; </pre>
Delete Referral <ul style="list-style-type: none"> <li>- Client Referral update status = "delete"</li> </ul>	<pre> &lt;ClientReferralupdateStatus="delete"&gt; &lt;ReferralDetails&gt; &lt;AgencyCode&gt;000000&lt;/AgencyCode&gt; &lt;AgencyClientNumber&gt;12345xxxxx12345&lt;/AgencyClientNumber&gt; &lt;DateOfReferral&gt;2013-04-01&lt;/DateOfReferral&gt; &lt;SourceOfReferral&gt;&lt;/SourceOfReferral&gt; &lt;/ReferralDetails&gt; &lt;/ClientReferral&gt; </pre>