CMS Developer Meeting:
ARM v6 Changes to support HUD-9902 and Client Data Changes for FY 2022

In order to not interrupt the meeting:

1.) Put your phone on MUTE, unless you have a question.

2.) Do not put this conference call on HOLD.

Agenda

- CMS Roll Call
- Status of HUD 9902 for FY 2022
- Agency Profile Changes
- Counselor Profile Changes
- 9902 Changes
- Client Data Changes
- Submission Processing Changes
- Updated XML Schema and Reference Items
- New ARM 6 Environment
- Testing Requirements

- Draft Version

- Sent to CMS Only

- Do not share outside your CMS organization

- Slides and ARM v6 documentation will be made available to CMS after this meeting.

Agency Profile Changes

New Agency Designations

- Rural Area - Agency conducts counseling for households in a rural area.

- Urban Area – Agency conducts counseling for households in an urban area.

- Both are required fields

- Response is Y or N

Agency Profile Changes

XML Schema Changes:

```
<xs:element name="Agency_TollFree_Phone_Nbr" type="st:phone" minOccurs="0" />
<xs:element name="Agency_Fax_Nbr" type="st:phoneWithoutExtension" minOccurs="0" />
<xs:element name="Agency_Email" type="st:email" minOccurs="0" />
<xs:element name="Agency_Faith_Based_Ind" type="st:yesOrNo" />
<xs:element name="Agency_Colonias_Ind" type="st:yesOrNo" />
<xs:element name="Agency_Rural_Ind" type="st:yesOrNo" />
<xs:element name="Agency_Urban_Ind" type="st:yesOrNo" />
<xs:element name="Agency_Migrfarm_Worker_Ind" type="st:yesOrNo" />
<xs:element name="Agency_Counseling_Budget_Amount" type="st:counselingBudgetAmount" />
<xs:element name="Agency_Languages" >
        <xs:complexType>
```

Counselor Profile Changes

- Counselor SSN - Field has been removed.
- Counselor HUD Id – Field is now required as counselors will be required as of 08/02/2021 to be a HUD certified counselor.
- Six-digit alpha-numeric value found on the Counselor's HUD Certificate.
- If Counselor works for agency but does not conduct one-on-one counseling sessions, they may not have a HUD Counselor ID - enter NA.

XML Schema Changes:

```
</xs:complexType>
<xs:complexType name="Counselor_Profile">
        <xs:all>
                <xs:element name="CMS_Counselor_Id" type="st:refId" />
                <xs:element name="Counselor_Fname" type="st:name" />
                <xs:element name="Counselor_Lname" type="st:name" />
                <xs:element name="Counselor_Mname" type="st:name" minOccurs="0" />
                <xs:element name="Counselor_Emp_Start_Date" type="st:date" />
                <xs:element name="Counselor_Emp_End_Date" type="st:date" minOccurs="0" />
                <xs:element name="Counselor_Rate" type="st:moneyField" minOccurs="0" />
                <xs:element name="Counselor_Billing_Method" type="st:billingMethods" minOccurs="0" />
                <xs:element name="Counselor_HUD_Id" type="st:certifiedCounselorHudId" />
                <xs:element name="Counselor_Phone" type="st:phone" minOccurs="0" />
                <xs:element name="Counselor_Email" type="st:email" minOccurs="0" />
                <xs:element name="Counselor_Languages" minOccurs="0" >
                        <xs:complexType>
```

Section 3: Ethnicity

- No changes
- Reference value for "Unknown" removed.

3. Ethnicity		
a.	Hispanic	
b.	Not Hispanic	
c.	Chose not to respond	
		Section 3 Total:

Section 3 Ethnicity Reference Values

- ID 2 = Hispanic

- ID 3 = Not Hispanic

- ID 4 = Choose not to respond

Section 4: Race

- Multi-Race categories removed

- New Option: More than one race

- New reference values for all values for FY 2022

4. Race	
a.	American Indian/Alaskan Native
b.	Asian
c.	Black or African American
d.	Native Hawaiian or Other Pacific Islander
e.	White
f.	More than one race
g.	Chose not to respond
	Section 4 Total:

Section 4 XML Schema Changes

```xml
<xs:element name= Ethnicity_Households_Counseling_No_Response  type= form9902Field    maxOccurs= unbounded  />
<xs:element name="Section_3_Total" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Race_Households_Counseling_American_Indian" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Race_Households_Counseling_Asian" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Race_Households_Counseling_Black_African_American" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Race_Households_Counseling_Pacific_Islanders" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Race_Households_Counseling_White" type="form9902Field"  maxOccurs="unbounded" />



<xs:element name="Race_Households_Counseling_More_Than_One_Race" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Race_Households_Counseling_No_Response" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Section_4_Total" type="form9902Field"  maxOccurs="unbounded" />
```

Form 9902 Changes

Section 4 Race Reference Values

- ID 13 = American Indian Alaskan Native
- ID 14 = Asian
- ID 15 = Black or African American
- ID 16 = Native Hawaiian or Other Pacific
- ID 17 = White
- ID 18 = More than one race
- ID 19 = Chose not to respond

Section 5: Income Levels

- No changes

- Same reference values

5. Income Levels	
a.	< 30% of Area Median Income (AMI)
b.	30 - 49% of AMI
c.	50 - 79% of AMI
d.	80 - 100% of AMI
e.	> 100% AMI
f.	Chose not to respond
	Section 5 Total:

Section 6: Rural Area Status

- Category Names changed to remove the word "Household"

- Same reference values for all values for FY 2022

6. Rural Area Status	
a.	Lives in a rural area
b.	Does not live in a rural area
c.	Chose not to respond
	Section 6 Total:

Form 9902 Changes

Section 6 XML Schema Changes

```
<xs:element name="AMI_No_Response" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Section_5_Total" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Lives_In_Rural_Area" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Does_Not_Live_In_Rural_Area" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Rural_Area_No_Response" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Section_6_Total" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Limited_English_Proficient" type="form9902Field"  maxOccurs="unbounded" />
```

Section 6 Rural Area Status Reference Values

- ID 1 = Lives in a rural area

- ID 2 = Does not live in a rural area

- ID 3 = Chose not to respond

Form 9902 Changes

Section 7: Limited English Proficiency Status

- Category Names changed to remove the words "Household is"

- Same reference values for all values for FY 2022

Section 7 Limited English Proficiency Reference Values

- ID 1 = Limited English Proficient

- ID 2 = Not Limited English Proficient

- ID 3 = Chose not to respond

Section 7 XML Schema Changes

```
<xs:element name="Section_6_Total" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Limited_English_Proficient" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Not_Limited_English_Proficient" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Limited_English_Proficient_No_Response" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Section_7_Total" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Education_Compl_Fin_Lit_Workshop" type="form9902Field" maxOccurs="unbounded" />
```

Form 9902 Changes

Section 8: Households Receiving Education Services (Including Online Education), by Purpose

- Section title change:
  - Previous 9902: Households Receiving Group Education, by Purpose
  - FY 2022 9902: Households Receiving Education Services (Including Online Education), by Purpose

- New Services Added:
  - Completed disaster preparedness assistance workshop
  - Completed disaster recovery assistance workshop

- Service Removed:
  - Completed other workshop

- New reference values for all values for FY 2022

Section 8: Households Receiving Education Services (Including Online Education), by Purpose

	8. Households Receiving Education Services (Including Online Education), by Purpose			
a.	Completed financial literacy workshop, including home affordability, budgeting and understanding use of credit			
b.	Completed predatory lending, loan scam or other fraud prevention workshop			
c.	Completed fair housing workshop			
d.	Completed homelessness prevention workshop			
e.	Completed rental workshop			
f.	Completed pre-purchase homebuyer education workshop			
g.	Completed non-delinquency post-purchase workshop, including home maintenance and/or financial management for homeowners			
h.	Completed resolving or preventing mortgage delinquency workshop			
i.	Completed disaster preparedness assistance workshop			
j.	Completed disaster recovery assistance workshop			
	Section 8 Total:			

Form 9902 Changes

Section 8 Households Receiving Education Services (Including Online Education), by Purpose Reference Values

- ID 19 = Completed financial literacy workshop, including home affordability, budgeting and understanding use of credit
- ID 20 = Completed predatory lending, loan scam or other fraud prevention workshop
- ID 21 = Completed fair housing workshop
- ID 22 = Completed homelessness prevention workshop
- ID 23 = Completed rental workshop
- ID 24 = Completed pre-purchase homebuyer education workshop
- ID 25 = Completed non-delinquency post-purchase workshop, including home maintenance and/or financial management for homeowners
- ID 26 = Completed resolving or preventing mortgage delinquency workshop
- ID 27 = Completed disaster preparedness assistance workshop
- ID 28 = Completed disaster recovery assistance workshop

Section 8: XML Schema Changes

```
<xs:element name="Section_7_Total" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_Fin_Lit_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_Pred_Lend_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_Fair_Housing_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_Homeless_Prev_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_Rental_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_PrePurchase_HomeBuyer_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_NonDelinqency_PostPurchase_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_Resolv_Prevent_Mortg_Delinq_Workshop" type="form9902Field" maxOccurs="unbounded"  />
<xs:element name="Education_Compl_Disaster_Prepare_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Education_Compl_Disaster_Recovery_Workshop" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Section_8_Total" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="One_Homeless_Assistance_Counseling" type="form9902Field"  maxOccurs="unbounded" />
```

Section 9: Households Receiving One-on-One Counseling, by Purpose

- Service Name Revised:
  - Non-Delinquency Post-Purchase
- New Services Added:
  - Resolving or Preventing Forward Mortgage Delinquency or Default
  - Resolving or Preventing Reverse Mortgage Delinquency or Default
  - Disaster Preparedness Assistance
  - Disaster Recovery Assistance
- Service Removed:
  - Resolving or Preventing Mortgage Delinquency or Default

Section 9: Households Receiving One-on-One Counseling, by Purpose

- New reference values for all values for FY 2022

9. Households Receiving One-on-One Counseling, by Purpose	
a.	Homeless Assistance
b.	Rental Topics
c.	Pre-purchase/Homebuying
d.	Non-Delinquency Post-Purchase
e.	Reverse Mortgage
f.	Resolving or Preventing Forward Mortgage Delinquency or Default
g	Resolving or Preventing Reverse Mortgage Delinquency or Default
h.	Disaster Preparedness Assistance
i.	Disaster Recovery Assistance

Section 9 Households Receiving One-on-One Counseling, by Purpose Reference Values

- ID 12 = Homeless Assistance
- ID 13 = Rental Topics
- ID 14 = Prepurchase/Homebuying
- ID 15 = Non-Delinquency Post-Purchase
- ID 16 = Reverse Mortgage
- ID 17 = Resolving or Preventing Forward Mortgage Delinquency or Default
- ID 18 = Resolving or Preventing Reverse Mortgage Delinquency or Default
- ID 19 = Disaster Preparedness Assistance
- ID 20 = Disaster Recovery Assistance

Section 9: XML Schema Changes

```
<xs:element name="Education_Compl_Disaster_Recovery_Workshop" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Section_8_Total" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Homeless_Assistance_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Rental_Topics_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_PrePurchase_HomeBuying_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Non_Delinq_Post_Purchase_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Reverse_Mortgage_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Resolv_Prevent_Fwd_Mortg_Delinq_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Resolv_Prevent_Rev_Mortg_Delinq_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Disaster_Preparedness_Assistance_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="One_Disaster_Recovery_Assistance_Counseling" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Section_9_Total" type="form9902Field" maxOccurs="unbounded" />
<xs:element name="Outcome_One_On_One_And_Education" type="form9902Field" maxOccurs="unbounded" />
```

Section 10: Outcome of One-on-One Counseling Services

- Section title change:
  - Previous 9902: Impact and Scope of One-on-One Counseling Services
  - FY 2022 9902: Outcome of One-on-One Counseling Services

Section 10: Outcome of One-on-One Counseling Services

- Outcome Name Revised:
  - Households that received one-on-one counseling that also received education services.
  - Households for whom counselor developed a budget customized to a client's current situation.
  - Households that gained access to resources to help improve their housing situation (e.g. down payment assistance, rental assistance, utility assistance, etc.) after receiving Housing Counseling Services.

- Outcomes Added:
  - Households gained access to disaster recovery non-housing resources after receiving housing counseling services (e.g. Red Cross/FEMA relief items, legal services, assistance).
  - Households obtained disaster recovery housing resources after receiving Housing Counseling Services (e.g. temporary shelter, homeowner rehab, relocation, etc.).
  - Households for whom counselor developed or updated an emergency preparedness plan.
  - Households that prevented or resolved a forward mortgage default after receiving Housing Counseling Services.
  - Households that prevented or resolved a reverse mortgage default after receiving Housing Counseling Services.
  - Households that received a forward mortgage modification and remained current in their modified mortgage after receiving Housing Counseling Services.
  - Households that received a forward mortgage modification and improved their financial capacity after receiving Housing Counseling Services.

- Outcome Removed:
  - Households that prevented or resolved a mortgage default after receiving Housing Counseling Services.

Section 10: Outcome of One-on-One Counseling Services

	10. Outcome of One-on-One Counseling Services
a.	Households that received one-on-one counseling that also received education services.
b.	Households that received information on fair housing, fair lending and/or accessibility rights.
c.	Households for whom counselor developed a budget customized to a client's current situation.
d.	Households that improved their financial capacity (e.g. increased discretionary income, decreased debt load, increased savings, increased credit score, etc.) after receiving Housing Counseling Services.
e.	Households that gained access to resources to help improve their housing situation (e.g. down payment assistance, rental assistance, utility assistance, etc.) after receiving Housing Counseling Services.
f.	Households that gained access to non-housing resources (e.g. social service programs, legal services, public benefits such as Social Security or Medicaid, etc.) after receiving Housing Counseling Services.
g.	Homeless or potentially homeless households that obtained temporary or permanent housing after receiving Housing Counseling Services.
h.	Households gained access to disaster recovery non-housing resources after receiving Housing Counseling Services (e.g. Red Cross/FEMA relief items, legal services, assistance).
i.	Households obtained disaster recovery housing resources after receiving Housing Counseling Services (e.g. temporary shelter, homeowner rehab, relocation, etc.).
j.	Households for whom counselor developed or updated an emergency preparedness plan.

Form 9902 Changes

Section 10:
Outcome of One-on-One Counseling Services - continued

10. Outcome of One-on-One Counseling Services		
k.	Household that received rental counseling and avoided eviction after receiving Housing Counseling Services.	
l.	Households that received rental counseling and improved living conditions after receiving Housing Counseling Services.	
m.	Households that received pre-purchase/homebuying counseling and purchased housing after receiving Housing Counseling Services.	
n.	Households that received reverse mortgage counseling and obtained a Home Equity Conversion Mortgage (HECM) after receiving Housing Counseling Services.	
o.	Households that received non-delinquency post-purchase counseling that were able to improve home conditions or home affordability after receiving Housing Counseling Services.	
p.	Households that prevented or resolved a forward mortgage default after receiving Housing Counseling Services.	
q.	Households that prevented or resolved a reverse mortgage default after receiving Housing Counseling Services.	
r.	Households that received a forward mortgage modification and remained current in their modified mortgage after receiving Housing Counseling Services.	
s.	Households that received a forward mortgage modification and improved their financial capacity after receiving Housing Counseling Services.	
		Section 10 Total:

Form 9902 Changes

Section 10 Outcome of One-on-One Counseling Services Reference Values

- ID 14 = Households that received one-on-one counseling that also received education services.
- ID 15 = Households that received information on fair housing, fair lending and/or accessibility rights.
- ID 16 = Households for whom counselor developed a budget customized to a client's current situation.
- ID 17 = Households that improved their financial capacity (e.g. increased discretionary income, decreased debt load, increased savings, increased credit score, etc.) after receiving Housing Counseling Services.
- ID 18 = Households that gained access to resources to help improve their housing situation (e.g. down payment assistance, rental assistance, utility assistance, etc.) after receiving Housing Counseling Services.
- ID 19 = Households that gained access to non-housing resources (e.g. social service programs, legal services, public benefits such as Social Security or Medicaid, etc.) after receiving Housing Counseling Services.
- ID 20 = Homeless or potentially homeless households that obtained temporary or permanent housing after receiving Housing Counseling Services.
- ID 21 = Households gained access to disaster recovery non-housing resources after receiving Housing Counseling Services (e.g. Red Cross/FEMA relief items, legal services, assistance).
- ID 22 = Households obtained disaster recovery housing resources after receiving Housing Counseling Services (e.g. temporary shelter, homeowner rehab, relocation, etc.).
- ID 23 = Households for whom counselor developed or updated an emergency preparedness plan.
- ID 24 = Household that received rental counseling and avoided eviction after receiving Housing Counseling Services.
- ID 25 = Households that received rental counseling and improved living conditions after receiving Housing Counseling Services.
- ID 26 = Households that received pre-purchase/homebuying counseling and purchased housing after receiving Housing Counseling Services.
- ID 27 = Households that received reverse mortgage counseling and obtained a Home Equity Conversion Mortgage (HECM) after receiving Housing Counseling Services.
- ID 28 = Households that received non-delinquency post-purchase counseling that were able to improve home conditions or home affordability after receiving Housing Counseling Services.
- ID 29 = Households that prevented or resolved a forward mortgage default after receiving Housing Counseling Services.
- ID 30 = Households that prevented or resolved a reverse mortgage default after receiving Housing Counseling Services.
- ID 31 = Households that received a forward mortgage modification and remained current in their modified mortgage after receiving Housing Counseling Services.
- ID 32 = Households that received a forward mortgage modification and improved their financial capacity after receiving Housing Counseling Services.

Section 10: XML Schema Changes

```
<xs:element name="One_Disaster_Recovery_Assistance_Counseling"  type="form9902Field"   maxOccurs="unbounded"  />
<xs:element name="Section_9_Total" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_One_On_One_And_Education" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Received_Info_Fair_Housing" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Developed_Budget" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Improved_Financial_Capacity" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Gained_Access_Resources_Improve_Housing" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Gained_Access_NonHousing_Resources" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Homeless_Obtained_Housing" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Gained_Access_Disaster_Recovery_NonHousing_Resources" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Obtained_Disaster_Recovery_Housing_Resources" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Developed_Emergency_Preparedness_Plan" type="form9902Field" maxOccurs="unbounded"  />
<xs:element name="Outcome_Received_Rental_Counseling_Avoided_Eviction" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Received_Rental_Counseling_Improved_Living_Conditions" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Received_PrePurchase_Counseling_Purchased_Housing" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Received_Reverse_Mortgage_Counseling_Obtained_HECM" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Received_NonDelinquency_PostPurchase_Counseling_Improve_Conditions_Affordability" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Prevented_Resolved_Forward_Mortgage_Default" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Prevented_Resolved_Reverse_Mortgage_Default" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Received_Forward_Mortgage_Modification_Remain_Current_In_Modified_Mortgage" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Outcome_Received_Forward_Mortgage_Modification_Improved_Financial_Capacity" type="form9902Field"  maxOccurs="unbounded" />
<xs:element name="Section_10_Total" type="form9902Field"  maxOccurs="unbounded" />
</uence>
```

Group Session/Attendee Changes

- Group Session Counselor HUD ID – New field required to track the HUD ID of the counselor that conducted the group session. It is the 6-digit number found on the counselors HUD certificate. If not a certified counselor enter NA

- Fields Removed:
  - Attendee First Name
  - Attendee Last Name
  - Attendee Middle Name
  - Attendee Address 1
  - Attendee Address 2

- Processing Change - When form 9902 databag is submitted, all group session and group session attendee records for that form id will be purged and replaced with the new set of records. CMS must send the full dataset for the entire fiscal year for the agency with each form9902 submission.

Group Session/Attendee Changes

XML Schema Changes


```
</xs:complexType>
<xs:complexType name="Group_Sessions">
        <xs:sequence>
                <xs:element name="Group_Session" type="Group_Session" maxOccurs="unbounded" />
        </xs:sequence>
</xs:complexType>
<xs:complexType name="Group_Session">
        <xs:all>
                <xs:element name="Group_Session_Id" type="st:groupSessionId" />
                <xs:element name="Group_Session_Counselor_Id" type="st:refId" />
                <xs:element name="Group_Session_Counselor_HUD_Id" type="st:certifiedCounselorHudId" />
                <xs:element name="Group_Session_Title" type="st:sessionTitle" />
                <xs:element name="Group_Session_Date" type="st:date" />
                <xs:element name="Group_Session_Duration" type="st:sessionDuration" />
                <xs:element name="Group_Session_Type" type="st:shortRefId" />
                <xs:element name="Group_Session_Attribute_HUD_Grant" type="st:shortRefId" />
                <xs:element name="Group_Session_Activity_Type" type="st:activityTypeId" />
                <xs:element name="Group_Session_Attendees" minOccurs="0">
                        <xs:complexType>
```

XML Schema Changes (continued)

```xml
                    </xs:element>
                </xs:all>
    </xs:complexType>
    <xs:complexType name="Group_Session_Attendee">
            <xs:all>
            <xs:element name="Attendee_Id" type="st:refId"/>
                    <xs:element name="Attendee_Fee_Amount" type="st:intFieldValue" />
                    <xs:element name="Attendee_Referred_By" type="st:shortRefId" />
                    <xs:element name="Attendee_FirstTime_Home_Buyer" type="st:yesOrNo" />
                    <xs:element name="Attendee_Income_Level" type="st:incomeLevel" minOccurs="0"/>

                    <xs:element name="Attendee_City" type="st:city" minOccurs="0"/>
                    <xs:element name="Attendee_State" type="st:state" minOccurs="0"/>
                    <xs:element name="Attendee_Zip_Code" type="st:zip" minOccurs="0"/>
                    <xs:element name="Attendee_Rural_Area" type="st:ruralAreaId" minOccurs="0" />
                    <xs:element name="Attendee_Limited_English_Proficiency" type="st:limitedEngProfId" minOccurs="0" />
            </xs:all>
    </xs:complexType>
    <xs:complexType name="Attendees">
            <xs:sequence>
                    <xs:element name="Attendee" type="Attendee" maxOccurs="unbounded" />
            </xs:sequence>
    </xs:complexType>
    <xs:complexType name="Attendee">
            <xs:all>
                    <xs:element name="Attendee_Id" type="st:refId" />



                    <xs:element name="Attendee_City" type="st:city" />
                    <xs:element name="Attendee_State" type="st:state" />
                    <xs:element name="Attendee_Zip_Code" type="st:zip" />
                    <xs:element name="Attendee_Rural_Area" type="st:ruralAreaId" />
                    <xs:element name="Attendee_Limited_English_Proficiency" type="st:limitedEngProfId" />
                    <xs:element name="Attendee_Race_ID" type="st:race" />
                    <xs:element name="Attendee_Ethnicity_ID" type="st:ethnicity" />
                    <xs:element name="Attendee_Income_Level" type="st:incomeLevel" />
            </xs:all>
    </xs:complexType>
</xs:schema>
```

Client Profile Changes

- Client Counselor HUD ID – New field required to track the HUD ID of the counselor that conducted the counseling service. It is the 6-digit number found on the counselors HUD certificate. NA is not acceptable for this field. Must be a certified counselor.

- Client 9902 Reporting Qtr – Existing optional field that will be required in ARM 6.

- Outcomes – Renamed from "Impacts and Scope"

- Processing Change – When client profile databag is submitted, all records for that agency/year will be purged and replaced with the new set of records. CMS must send the full dataset for the entire fiscal year for the agency with each client profile submission.

Client Profile Changes

- Fields Removed:
  - Client SSN 1
  - Client SSN 2
  - Client First Name
  - Client Last Name
  - Client Middle Name
  - Client Street Address 1
  - Client Street Address 2
  - Client New Street Address 1
  - Client New Street Address 2
  - Client Phone Number
  - Client_Mobile_Phone_Num
  - Client_Fax
  - Client_Email
  - Client_Birth_DT
  - Client_Spouse_First_Name
  - Client_Spouse_Last_Name
  - Client_Spouse_Middle_Name
  - Client_Spouse_SSN

XML Schema Changes

```xml
</xs:complexType>
    <xs:complexType name="Client_Profile">
        <xs:all>
                <xs:element name="Client_ID_Num" type="st:refId" />
                <xs:element name="Client_Case_Num" type="st:refId" />




                <xs:element name="Client_City" type="st:fieldValue" />
                <xs:element name="Client_State" type="st:state" />
                <xs:element name="Client_Zip" type="st:zip" />


                <xs:element name="Client_New_City" type="st:fieldValue" minOccurs="0" />
                <xs:element name="Client_New_State" type="st:state" minOccurs="0" />
                <xs:element name="Client_New_Zip" type="st:zip" minOccurs="0" />



                <xs:element name="Client_Family_Size" type="st:byteFieldValue" minOccurs="0" />
                <xs:element name="Client_Gender" type="st:gender" minOccurs="0" />
                <xs:element name="Client_Marital_Status" type="st:maritalStatus" />
                <xs:element name="Client_Race_ID" type="st:race" />
                <xs:element name="Client_Ethnicity_ID" type="st:ethnicity" />
                <xs:element name="Client_Household_Gross_Monthly_Income" type="st:intFieldValue"  minOccurs="0" />
                <xs:element name="Client_Head_Of_Household_Type" type="st:refId" />

                <xs:element name="Client_Counselor_ID" type="st:refId" />
                <xs:element name="Client_Counselor_HUD_Id" type="st:certifiedCounselorHudId" />
                <xs:element name="Client_Highest_Educ_Grade" type="st:educationLevel" />
                <xs:element name="Client_Farm_Worker" type="st:yesOrNo" />
                <xs:element name="Client_Rural_Area" type="st:ruralAreaId" />
                <xs:element name="Client_Limited_English_Proficiency" type="st:limitedEngProfId" />
```

XML Schema Changes (Continued):

```
<xs:element name="Client_Intake_Loan_Type_Is_Option_ARM" type="st:yesOrNo" minOccurs="0"/>
<xs:element name="Client_Intake_Loan_Type_Is_Interest_Only" type="st:yesOrNo" minOccurs="0"/>
<xs:element name="Client_Intake_Loan_Type_Is_FHA_Or_VA_Insured" type="st:yesOrNo" minOccurs="0" />
<xs:element name="Client_Intake_Loan_Type_Is_Privately_Held" type="st:yesOrNo" minOccurs="0"/>
<xs:element name="Client_Intake_Loan_Type_Has_Interest_Rate_Reset" type="st:yesOrNo" minOccurs="0"/>



<xs:element name="Client_Income_Level" type="st:incomeLevel" />
<xs:element name="Client_Purpose_Of_Visit" type="st:refId"/>
<xs:element name="Client_Activity_Type" type="st:activityTypeId" />
<xs:element name="Client_9902_Reporting_Qtr" type="st:refId" />
<xs:element name="Client_Outcomes"  minOccurs="0" >
        <xs:complexType>
                <xs:sequence>
                        <xs:element name="Client_Outcome" type="st:outcomeId" maxOccurs="unbounded" />
                </xs:sequence>
        </xs:complexType>
</xs:element>
        </xs:all>
    </xs:complexType>
</xs:schema>
```

XML Schema Changes:

- Race – min/max values

- Ethnicity – min value

```
    <xs:maxInclusive value="9" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="race">
  <xs:restriction base="xs:byte">
    <xs:pattern value="(0)|([1-9][0-9]*)" />
    <xs:minInclusive value="13" />
    <xs:maxInclusive value="19" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ethnicity">
  <xs:restriction base="xs:byte">
    <xs:minInclusive value="2" />
    <xs:maxInclusive value="4" />
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="financeType">
  <xs:restriction base="xs:byte">
    <xs:pattern value="(0)|([1-9][0-9]*)" />
    <xs:enumeration value="6" />
```

XML Schema Changes:

- outcomeID – name changed from impactId; new reference values

- certifiedCounselorHudId – new simple type

```
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="outcomeId">
      <xs:restriction base="xs:int">
        <xs:pattern value="(0)|([1-9][0-9]*)" />
        <xs:minInclusive value="14" />
        <xs:maxInclusive value="32" />
      </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="certifiedCounselorHudId">
      <xs:restriction base="xs:string">
        <xs:maxLength value="6" />
        <xs:pattern value="(([Nn](/{0,1})[Aa])|([0-9a-zA-Z]{6}))" />
      </xs:restriction>
    </xs:simpleType>
</xs:schema>
```

New ARM Environment

- A new version of ARM is in the process of being developed to allow for the new XML schema and reference items for the FY 2022 submissions.

- New ARM environment for new version only.

- Support of the current ARM environment and version will only continue as long as HUD allows for FY 2021 submissions.

New ARM Environment

- 9902 Reporting after 10/01/2021:
  - 2021 submissions sent using current version of ARM (ARM 5.0) to current ARM location.
  - 2022 submissions sent using new version of ARM (ARM 6.0) to new ARM location.
  - All CMS must be updated and tested in the new version before they can submit for 2022.

XML Schema and Reference Items

- All submission types impacted with changes.

- Updated XML Schema and Reference Items for ARM v6 (FY 2022 reporting) available at: https://www.hudexchange.info/programs/housing-counseling/cms/#agency-reporting-module-arm-requirements

CMS Feedback

- Do you expect to be able to make these CMS changes by the deadlines?
  - 10/01/2021 Deadline for intake
  - 01/01/2022 Deadline for reporting
- Feedback/Questions can be sent to theresa.m.houck@hud.gov.

1. Can the submission data be zipped?
   - Yes
2. Clarify the purging of previously submitted data.
   - When the detailed data for one-on-one counseling (Client Profile) or for the group sessions and attendees is submitted it should include all records from the start of the fiscal year for that agency. The records should match the cumulative reporting provided in the 9902.

3. Will the old version need to be maintained, and how long for agency audits to view granular client data in the user interface?

    – As of October 1, 2021 agencies will need to be able to enter data on counseling sessions using the new version for the FY 2022 9902. At this same time agencies maybe entering and cleaning up data while they conduct 4th quarter reporting using the older version of the 9902 from the previous fiscal year. CMS should maintain both versions. HUD will follow-up and provide additional clarification on how long older versions must be maintained for auditing purposes.

4. When will ARM 6 test site and test files be available and will ARM 5 test site still be available?

    – That date is not available currently, but HUD will follow up with CMS. It is anticipated that both the ARM 5 and ARM 6 pilot sites will be available.

5. When will the PDF of the new 9902 be available?

   – The draft version will be provided to CMS following this meeting and will be on the CMS web site. An email will be sent to CMS when the web site is updated.

6. It was suggested that the data be structured in a different way instead of having the two models side-by-side.

   – HUD will gather more information on this.