

ISO/IEC JTC 1/SC 24 Plenary & WG Meetings (Online meeting)

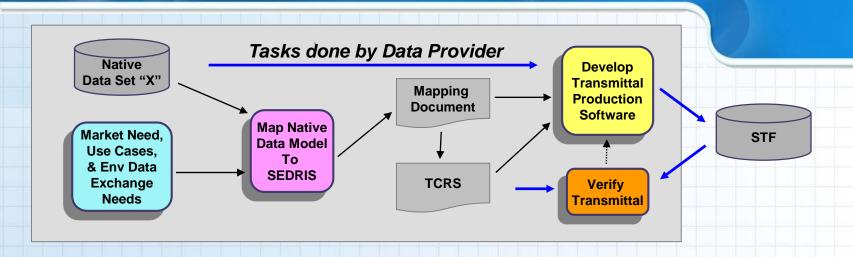
July 27 – August 17, 2020, UTC

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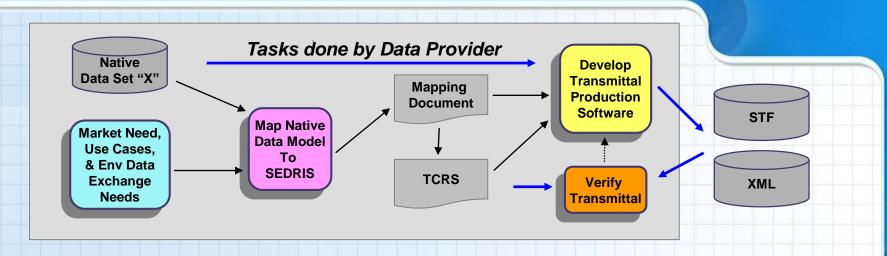
STF Development Steps



- Step 1: Native Requirements & Data Analysis: Define use or application plus data exchange requirements
- Step 2: Develop Mapping Document: Use DRM, EDCS and SRM
- Step 3: Develop Validation Criteria -- TCRS
- Step 4: Develop Production software: Add in API and STF
- Step 5: Validate Transmittal: Add in tools and applications

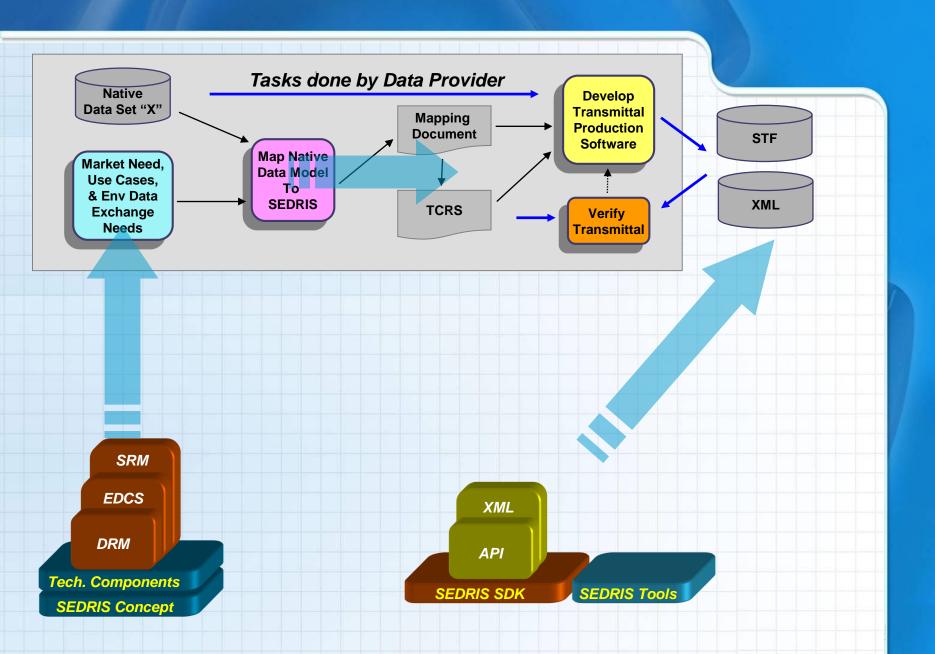
- ⊗ STF development steps are easier to follow than early development steps.
 - ☑ Engineer want to find integrated examples with fragmentary examples
- ☼ Commercial approach usually use partial functions instead of SEDRIS full functions
 - ☑ Engineer want to specialize particular function for their technical area

SEDRIS XML Encoding

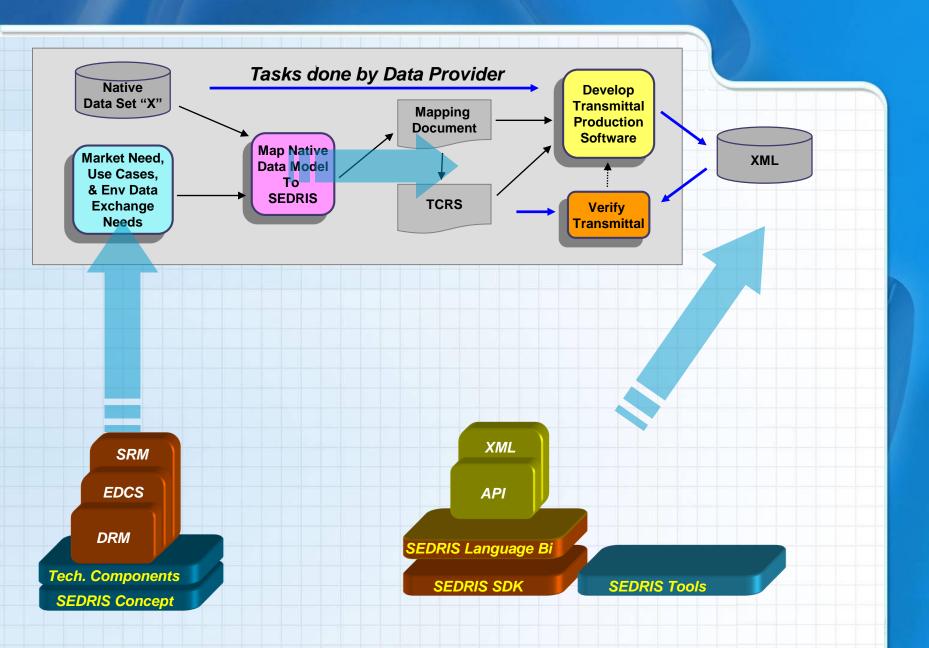


- Step 1: Native Requirements & Data Analysis: Define use or application plus data exchange requirements
- Step 2: Develop Mapping Document: Use DRM, EDCS and SRM
- Step 3: Develop Validation Criteria -- TCRS
- Step 4: Develop Production software: Add in API and STF
- Step 5: Validate Transmittal: Add in tools and applications
- Step 6: SEDRIS XML data
- - ☑ Engineer want to find integrated examples with fragmentary examples
- ☼ Commercial approach usually use partial functions instead of SEDRIS full functions
 - ☑ Engineer want to specialize particular function for their technical area

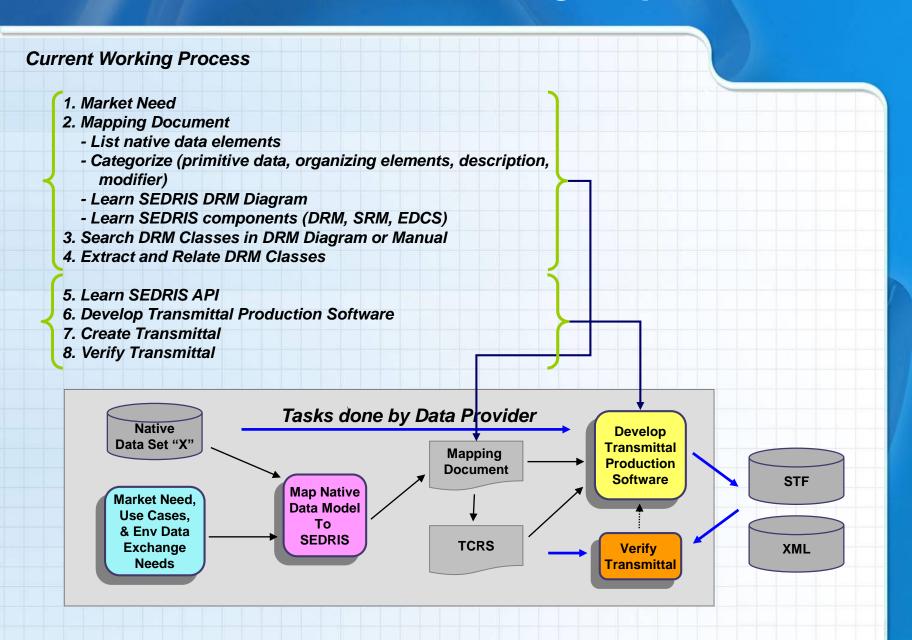
SEDRIS Components and STF



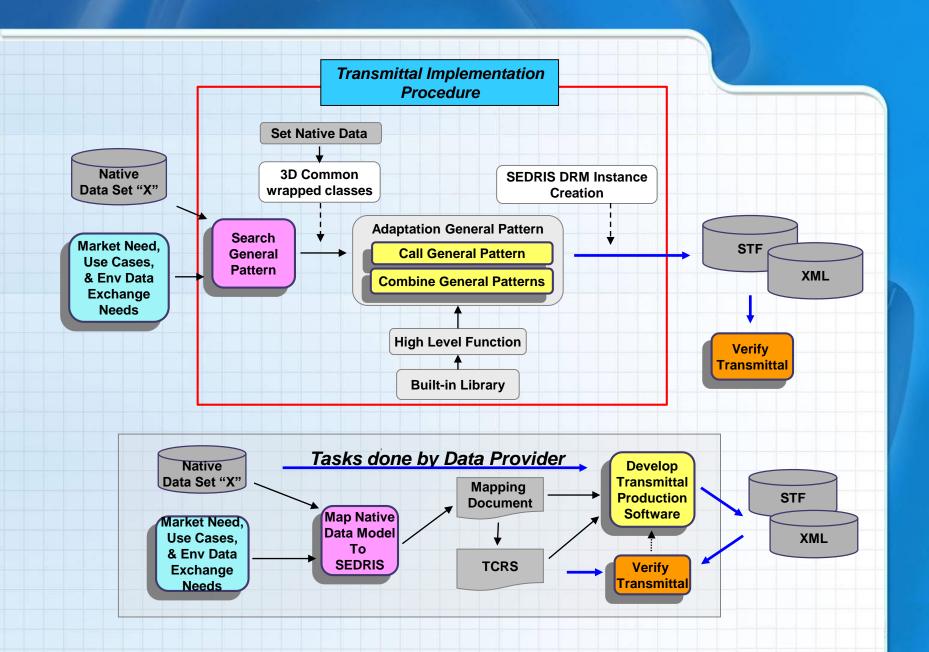
SEDRIS Language Binding



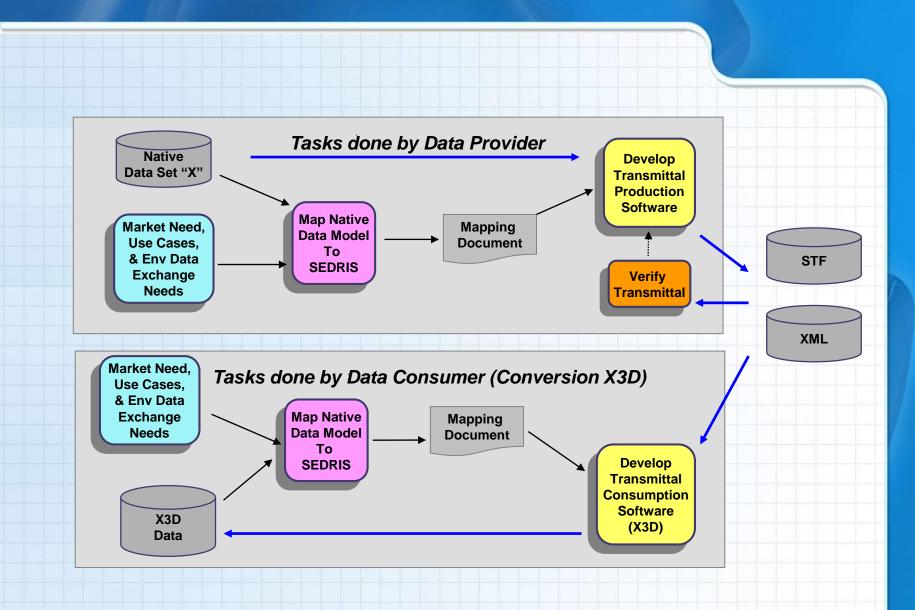
The Current Working Step



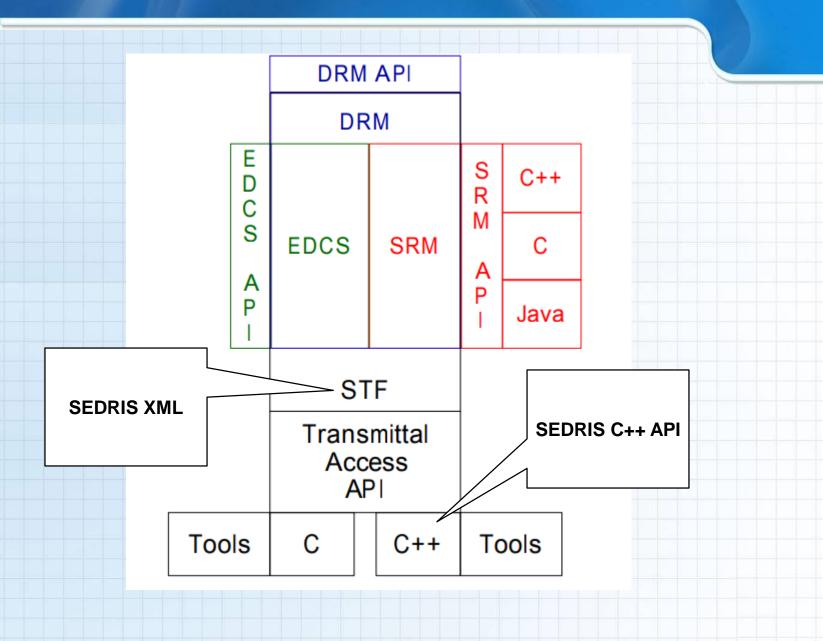
The Working Step with Mapping Method



The SEDRIS Production and Consumption Process (X3D)



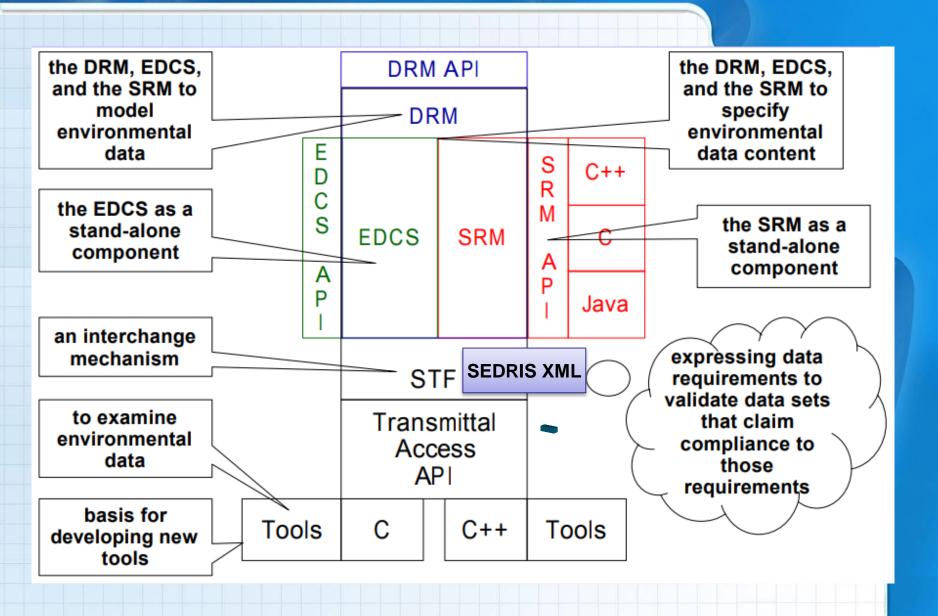
SEDRIS Components



Using the SEDRIS Componets

- The SEDRIS API is an encapsulation of functionality which provides applications the ability to access DRM objects.
- The SEDRIS API is Transmittal Access API, DRM API, SRM API, EDCS API
- The Transmittal Access API implementation relies on the DRM, SRM, and EDCS APIs
- The Transmittal Access API deals with transmittals and objects within those transmittal
- Every object has a unique string within a transmittal, referred to as the "object id"

Using the SEDRIS Componets



Conclusions

- SEDRIS XML Encoding
 - SEDRIS UML and XML schema
 - XML definition and expansion using SEDRIS examples
 - test.stf
 - · chair.stf
- SEDRIS viewer development for SEDRIS XML encoding