

Use Case 1 (Load WITSML into PPDM)

Title: Move WITSML data into a populated PPDM store (use update in store)

Use Case Name	Move WITSML data into a populated PPDM store (use update in store)
Version	2016_PPDM_WITSML_UC1
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Goal	To capture data from a WITSML data stream and load it into a pre-existing PPDM Data store.
Summary Description	In this use case, it is assumed that only certain elements in the WITSML data stream should be transferred to PPDM. Internal object identifiers and certain internal structural elements may not be required. However, if a user determines that they are necessary, it should be possible to load the entire WITSML data file into the PPDM RM subject area, so it can be fully recovered and inspected as needed.
Actors	Data is created in a WITSML data stream through creation during field operations or in order to transfer data between systems Data is loaded into a PPDM data store for permanent retention, use in a BI or analytics tool, or other use
Triggers	WITSML data stream is received.
Pre-conditions	The WITSML data stream must be properly configured (well formed). The well origin (surface location) should already exist in PPDM
Post-conditions	The most important data is loaded into PPDM, and is clearly associated with the WITSML stream from which it originated. Data conversions, calculations, assumptions and defaults should be clearly documented.
Business Rules	Data should conform to the rules in the PPDM Rules Library. Mapping is from the WITSML wellbore to PPDM Well (and Wellbore)
Notes	<ul style="list-style-type: none"> • From a w/f point of view - we should clarify that will we be moving the aggregate (well/wellbore/log or children) or just the log • If using a non-aggregate or aggregate push should that be an update in the PPDM store <ul style="list-style-type: none"> • What if the update fails? How do we queue up the errors? • For the purposes of this exercise we assume that there is nothing outside of the PPDM store and the receiving company is using PPDM as the MDS. • WITSML has no notion of versions - there is no way to retrieve a version of the data from two versions ago
Definitions	Refer to What is a Well (www.WhatIsAWell.org)