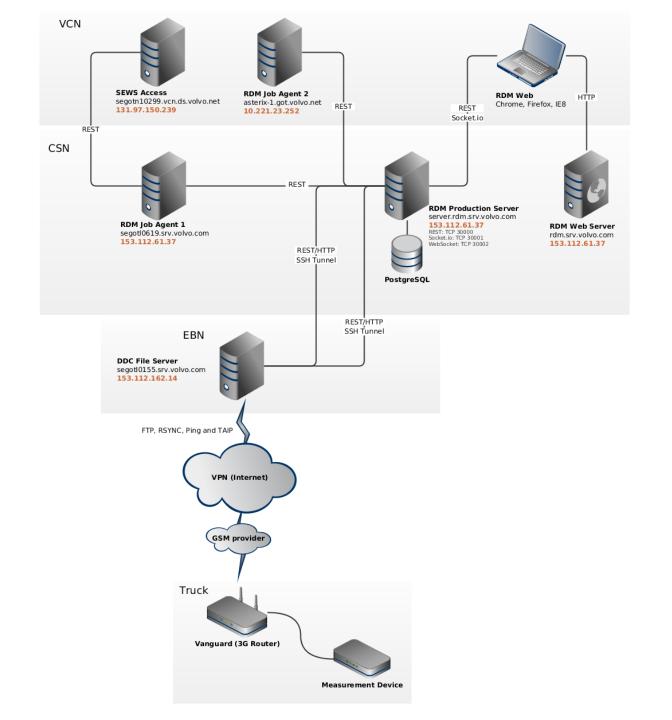
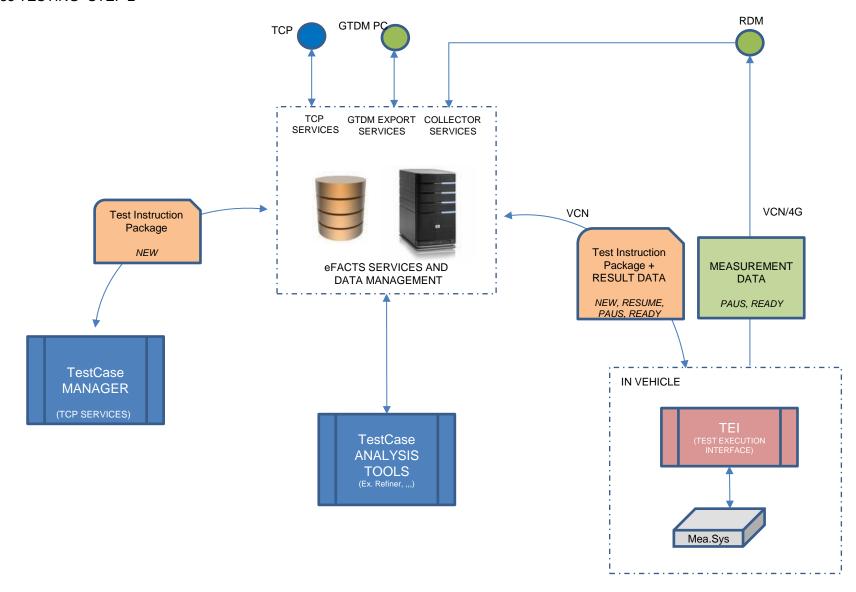
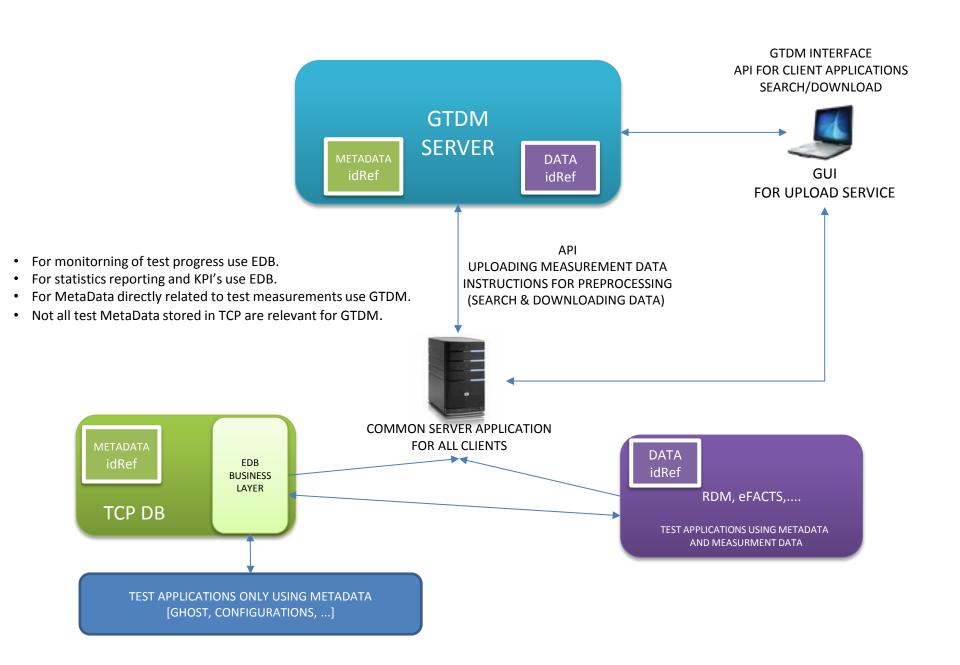


Main functionality RDM

- Manage connectivity with remote test systems (RTS) by using VCS.
- Manage connectivity with RTS via VCN.
- Send configurations to RTS.
- Collect measurement data from RTS.
- Collect metadata from RTS.
 - System metadata
 - Fleet management metadata
- Recognision of measurement data.
- Routing of measurement data to other applications and locations.
- Sending metadata to TCP.
 - Fleet management data (GPS, Connection, ...)
 - Test progress data (No of mea, last incoming, ...)
 - System data (com info, ...)
- Parsing DTC's.
- Create test meta data for BI.
- Use extensive internal logging for system monitoring.
- Sending mail to support when failure detected.
- System maintenance web interface
- Export data/info for GTDM upload (interface)







GTDM Scenarios

- Server to Server with TCP
- Laptop to Server with TCP
- Laptop to Server no TCP
- Server to Server no TCP (Rig)
- Laptop to GTDM

Adding data to existing measurements

- Application to GTDM (E.g. Diadem analysis files, report files)
- Files to GTDM (Photos, videos, documents, ...)

GTDM Data files structure + xml MetaData file(s?) **GTDM PreCompiler Server** * MetaData Compiler Compile metadata from TCP, source app, ... Metadata constraints, rules, ... Metadata syntax checks and validity... * Manage Data Structures Unzip packages · Restructure data packages * GUI for precompiling data from non-server measurements with or without TCP connectivity * Single ponit if entry for uploding GTDM data * Create metadata for TCP (measurement statistics, ...)

REMARK:

Tag metadata in TCP if it belongs to GTDM or not. Should be stated in the metadata model.

TCP

First phase: Connection to

PROTOM (Vehicle Spec)

Vehicle Id

Data files structure + xml MetaData file(s)

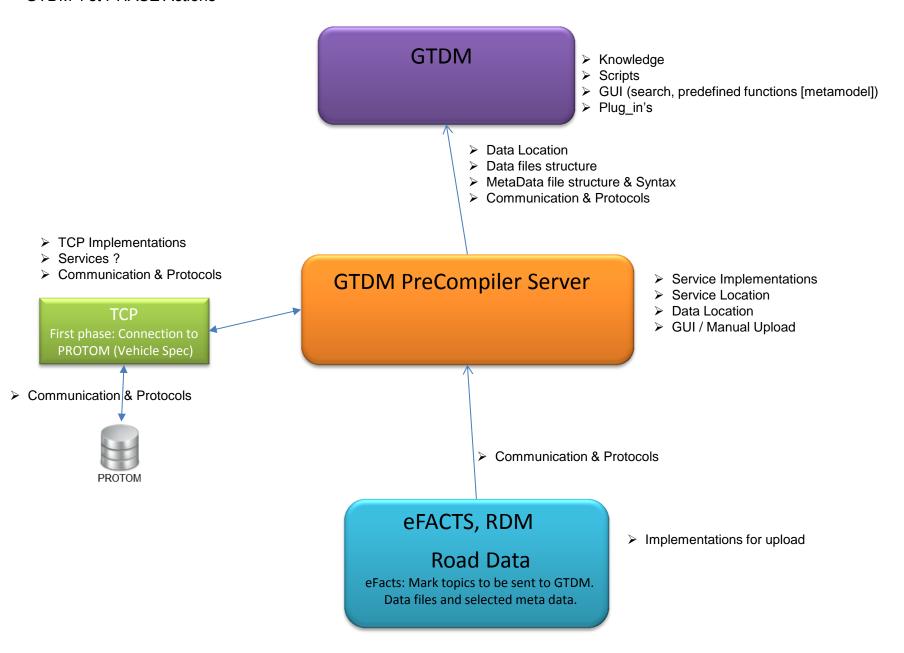
eFACTS, RDM

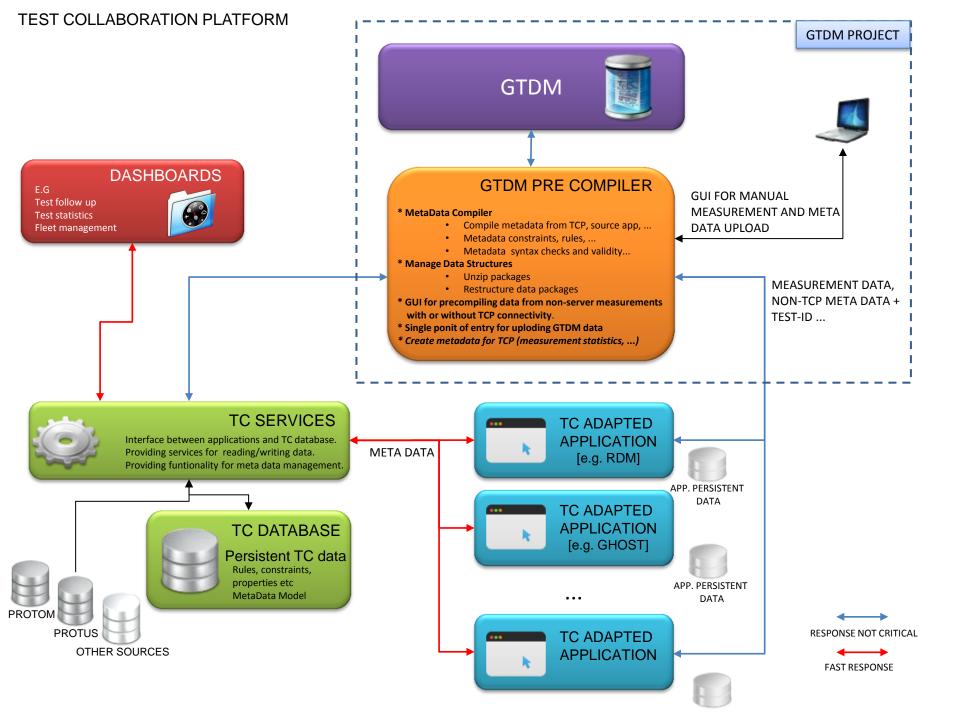
Road Data

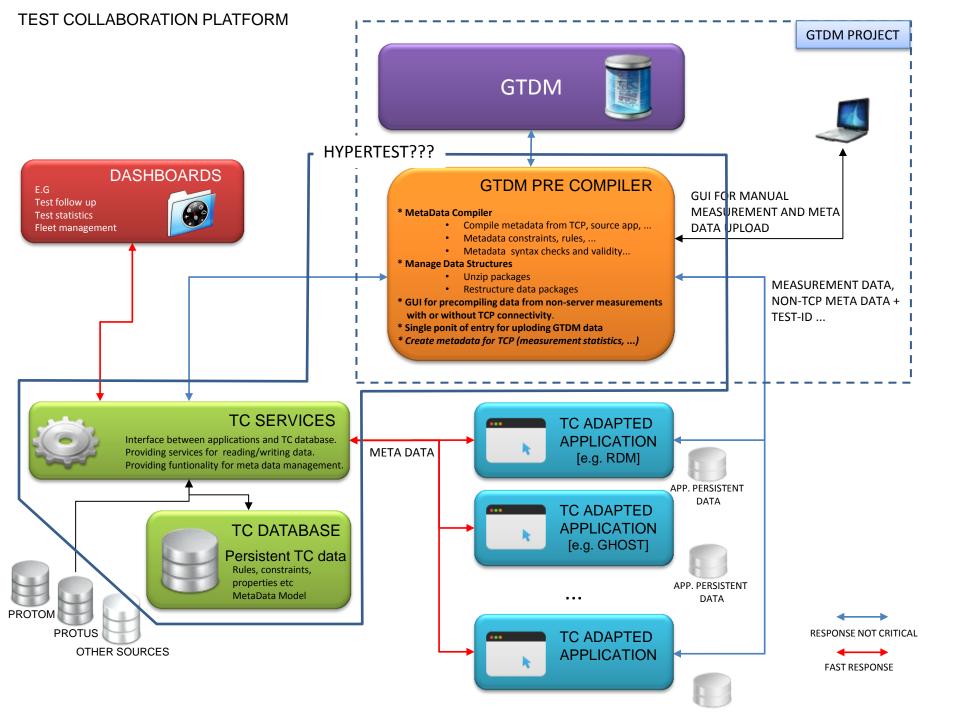
eFacts: Mark topics to be sent to GTDM.
Data files and selected meta data.

Available Meta Data in eFACTS

- TestObject ID (PROTUS)
- Vehicle ID
- Variant Spec Version (Phase)
- Variant Spec (All VF's)
- Project
- · Test Leader
- Test Type
- Start Time
- Measurement System ID

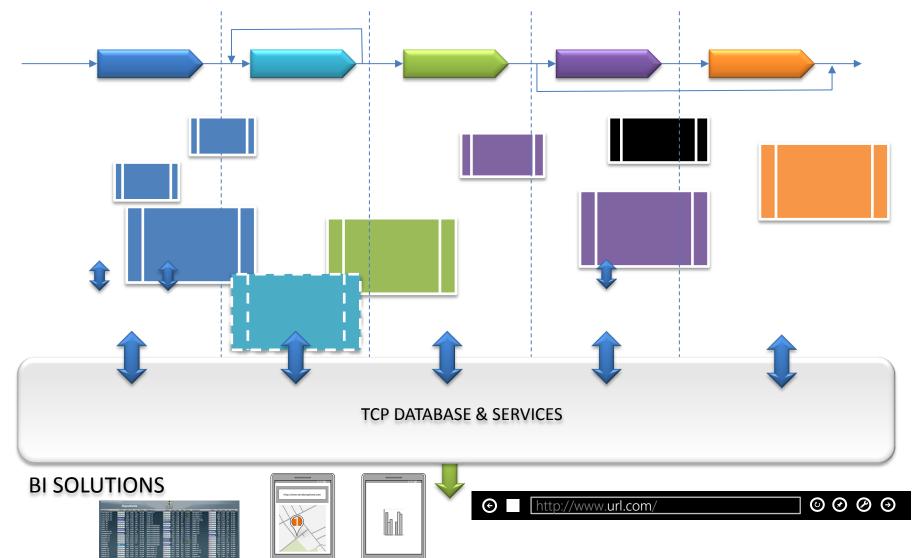






TEST COLLABORATION PLATFORM

- SECURE THAT OUR TOOLS SUPPORTS THE PROCESS (PLAN & PERFORM TEST)
- ENSURE THAT WE HAVE TOOLS THAT COVERS THE PROCESS
- CREATE INTERFACES TO ENABLE INFORMATION EXCHANGE BETWEEN TOOLS
- CREATE AN ENVIRONMENT TO CARRY TEST INFORMATION IN A STRUCTURED AND HARMONIZED WAY
- CREATE BI SOLUTIONS FOR MONITORING STATUS AND PROGRESS OF TESTS AND TEST OBJECTS



GTDM – Metadata Integration

Long term solution

Sol 1: Merge metadata in GTDM Tools

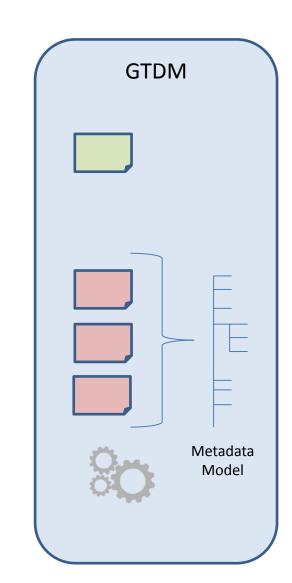
Number of process to create global metadata file:

 1 loadramp for Measurement file + Test Metadata File

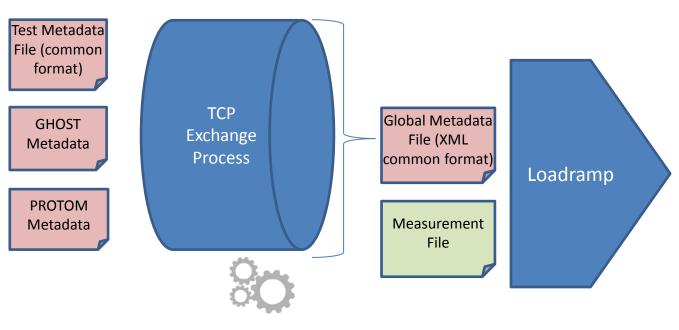
Loadramp 5 Loadramps for Ref Test Metadata File (XML Source application common format) (PROTOM, GHOST...) 1 merge on GTDM tools Question: Capacity from tool to merge metadata? **GHOST** Metadata Loadramp **TCP** Exchange **Process PROTOM** Metadata Loadramp

Measurement

File



Sol 2 Merge metadata in TCP exchange process

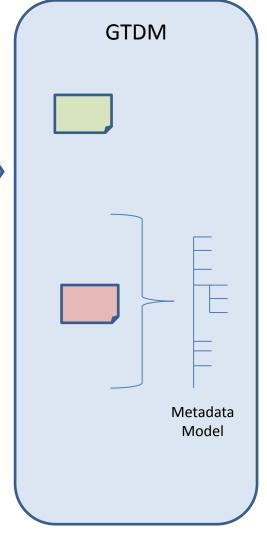


Number of process to create global metadata file:

1 loadramp for Measurement file + Test Metadata File

Question: Capacity for TCP project to merge metadata from ref metadata and test metadata?

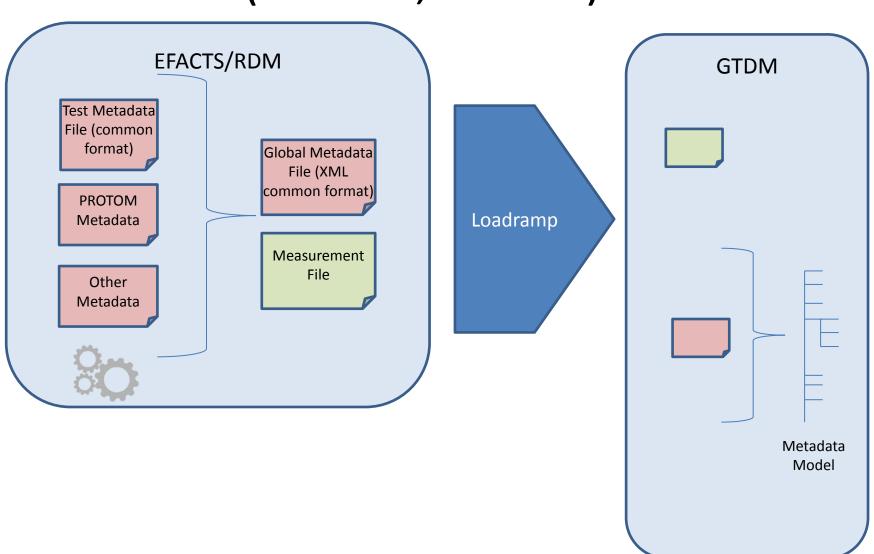
Issue: Synchronisation of data after the first integration (For exemple, how reload new GHOST information update after test)



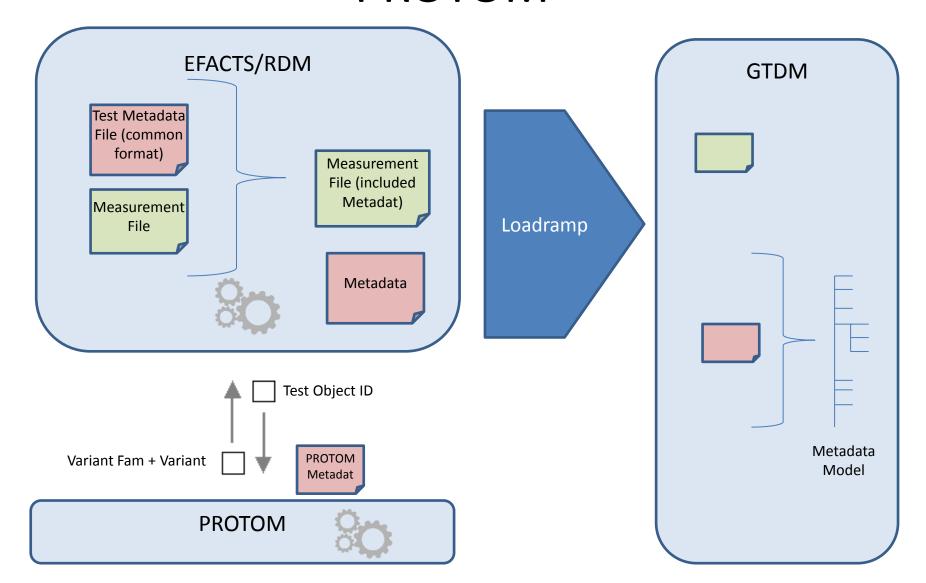
Short term solution

TCP could not supported on short term solution implement on 2016.

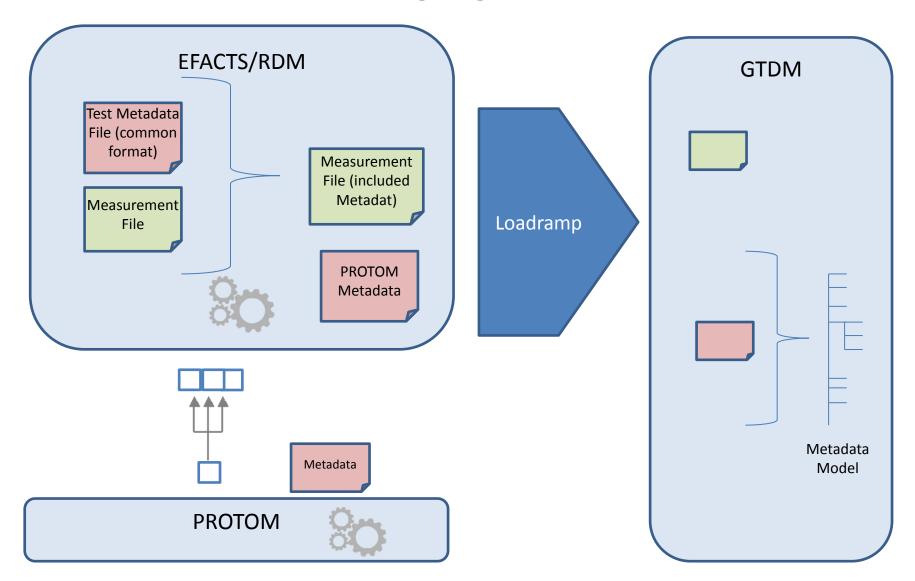
Merge metadata in test applications (EFACTS, RDM...)



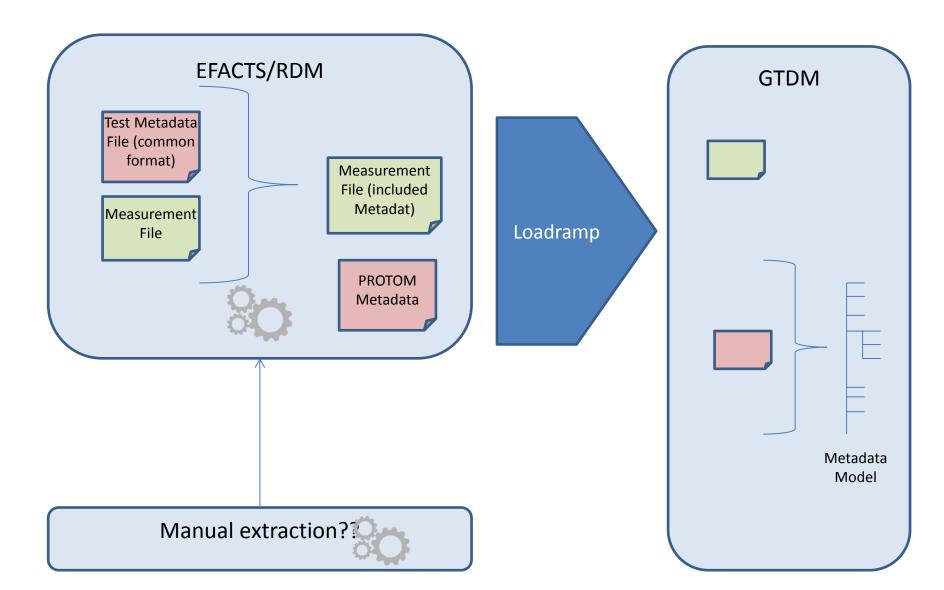
Sol 1: Received specific extraction from PROTOM



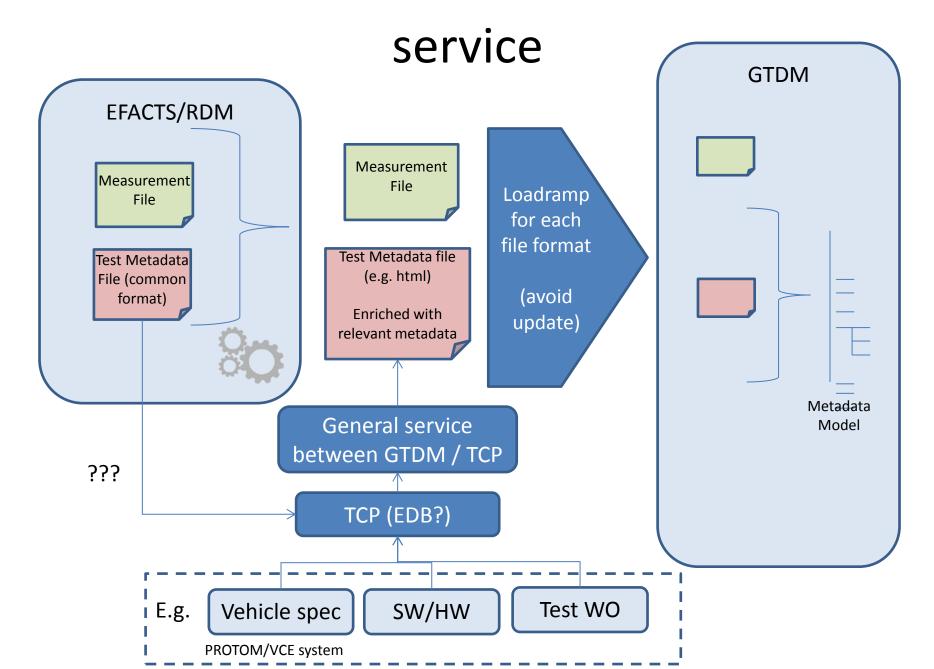
Sol 2: Reuse common service from PROTOM



Sol 3: Implement manual solution



Sol 4: Reuse common meta data



Sol 5: Reuse common meta data

