eTIR international system

Progress status report

WP.30/GE.1 – 3rd session
TIR Secretariat – 13 September 2021

Outline

- The eTIR international system
- Reliability of the eTIR international system
- The International TIR DataBank (ITDB)
- The eTIR specifications
- Additional documentation
- Interconnection projects
- Next steps

The eTIR international system – Web services

- ✓ Implemented the amendments approved during the 2nd session of WP.30/GE.1 in May
- ✓ Implemented the Metadata information on all messages
- ✓ Implemented the forward mechanism for advance data (messages E9 to E14) from Holders to for Customs
- ✓ Implemented the messages "Get Holder Information" (I3/I4) for customs authorities
- ✓ Deployment of a new version in the UAT environment

- ➢ Development of messages "Check Customs Offices" (I19/I20)
- ➢ Implement the Data replication mechanism for ITDB

The eTIR international system – eTIR Data Model (DM)

- ✓ Updated the eTIR DM to reflect the amendments approved during the 2nd session of WP.30/GE.1 in May and the proposed amendments for this session
- ✓ Updated all code lists to reflect the latest changes from UN/EDIFACT D.21A
- ✓ Implemented the first version of a mechanism that will automatically check several aspects of the consistency of the eTIR DM
- ✓ Published Excel export on messages to help with performing the gap analysis during the design stage of the interconnection projects

- ➢ Working on refactoring the notes in the eTIR DM to better support the various reports
- ➢ Working on Excel exports of the messages for developers

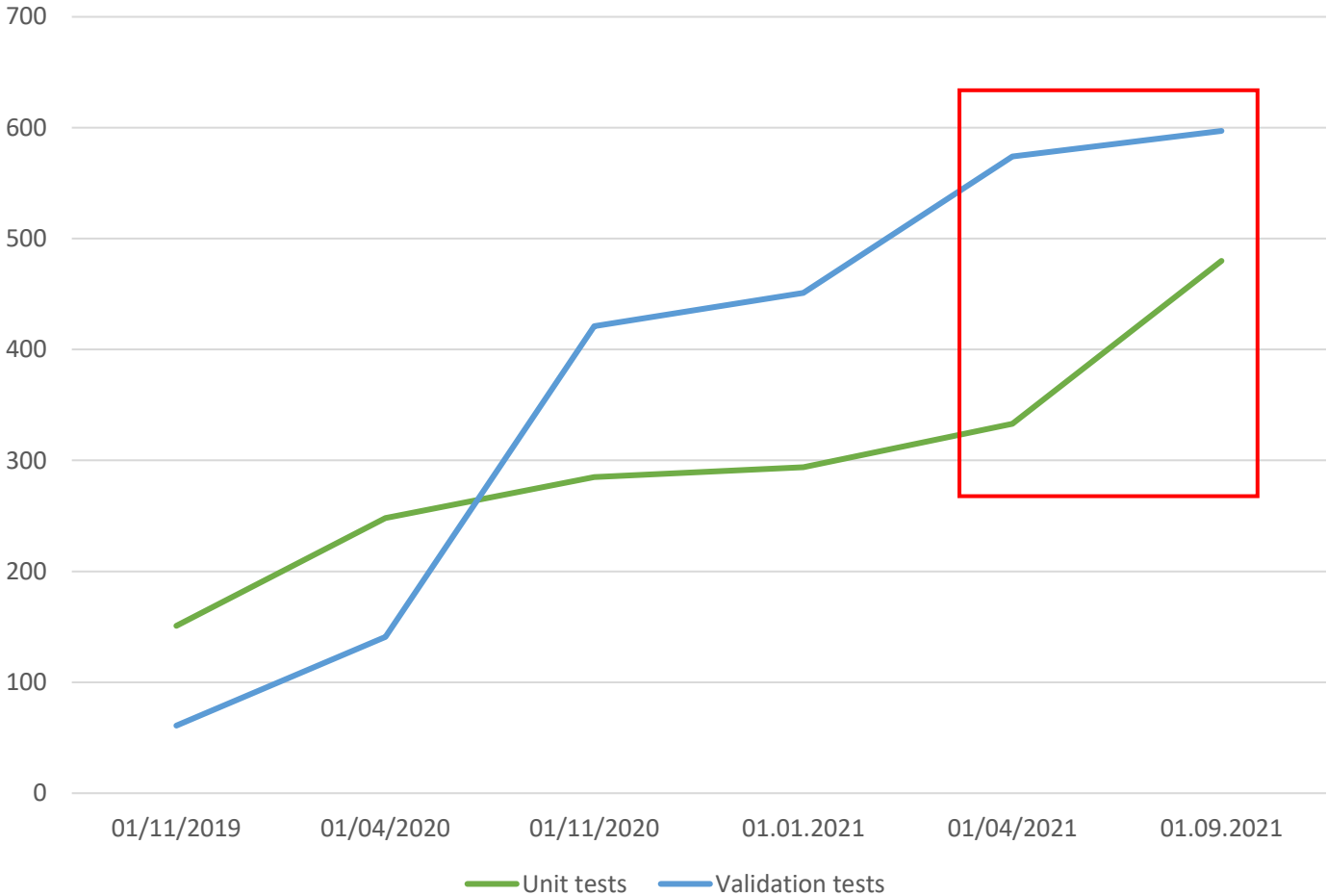# Reliability of the eTIR international system (1)

Procedure:

1. Set minimum quality gates on the quality of the code
2. Ensure the quality gates are always "passing"
3. Progressively increase them

Requirement	Description	Target value	Current value	Progression since May
RL.1	Number of remaining issues with the highest severities found by the static analysis tool	0	18	-30%
RL.2	Number of remaining issues with a normal severity found by the static analysis tool	150	259	-34%
RL.3	Percentage of functional source code covered by automated tests (code coverage)	60%	47,4%	+9%
RL.4	Percentage of duplicated source code (code duplication)	3%	1,3%	-41%

Reliability of the eTIR international system (2)

Number of automated unit and validation tests

The International TIR DataBank (ITDB)

- ✓ **Recent achievements**
  - ✓ Imported Uzbekistan customs data and currently assisting China customs authorities in doing so
  - ✓ Started working on the specifications for the TIR Carnet holder web portal
- ➢ **Next steps**
  - ➢ Complete the TIR Carnet holder portal specifications and start developing it
  - ➢ Continue supporting contracting parties in customs office data import
  - ➢ Continue aligning ITDB with the requirements of the eTIR international system

The eTIR specifications

- ✓ Integrated the decisions taken during the 2nd session of WP.30/GE.1 in May

- ✓ Finalized the remaining parts, annexes and appendices of the eTIR technical specifications

- ✓ The consolidated documents are available in English:
  - ✓ **Introduction**: informal document 11
  - ✓ **eTIR concepts**: informal document 13
  - ✓ **eTIR functional specifications**: informal document 14
  - ✓ **eTIR technical specifications** : informal document 12

- ➢ Assemble the consolidated documents in French and Russian

Additional documentation

- ✓ Completed writing ninteen guides for the interconnection between eTIR international system and national customs systems:
  - ✓ Project guidelines
  - ✓ Technical guides:
    - ✓ Introduction on the eTIR web services
    - ✓ All the guides on the message pairs

- ➢ Preparing the guide listing all code lists in v4.3
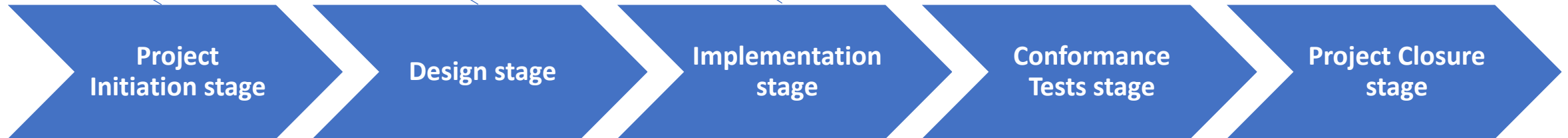- ➢ Migrating all documentation on the new etir.org web site

Interconnection projects

Armenia
Kyrgyzstan
Tajikistan

Iran
Uzbekistan

Azerbaijan
Georgia
Tunisia
Turkey
Pakistan

Project Initiation stage

Design stage

Implementation stage

Conformance Tests stage

Project Closure stage

Next steps

➢ Finalize the implementation of the eTIR international system as per the eTIR specifications v4.3

➢ Continue to support customs authorities in connecting to the eTIR international system

➢ Prepare the conformance tests

➢ Continue improving our development practices

➢ Continue working on the new server hosting arrangement

Thank you!

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UNECE

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