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Governance process for changes to the common modules

Joint AMI-Pay & AMI-SeCo meeting

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Updating the T2S Operational Governance Process Framework

- In February 2019 a PMG drafting group was established to review the T2S Operational Governance Process Framework (T2S OGPF) and the T2S Framework Agreement (T2S FA) in view of identifying necessary changes to support the future management of the Common Components.

- In parallel, a OMG drafting group conducted the same assessment for the T2S Manual of Operational Procedures (T2S MOP).

- The purpose of this presentation is to provide the AMI-Pay and AMI-SeCo with a high level overview of the proposed future principles to be applied in the governance processes for changes to common modules.

(*) The same changes are proposed for the T2S Currency Participation Agreement (T2S CPA)

Scope of T2S OGPF

- The T2S OGPF documents the principles and processes applicable for:
  - Change and Release Management
  - Service Validation and Testing
  - Deployment Management

- The T2S OGPF is a cornerstone in organizing interactions between the T2S technical groups, as well as with the T2S Steering Level.

- The T2S OGPF was approved initially in 2014 and updated in 2017.

- The T2S OGPF is listed as a T2S deliverable in the Annex 8 of the Schedule 2 of the T2S FA. It is also referenced in the Schedule 9 of the T2S FA covering Change and Release Management.

Scope of TARGET Services

- On 07-08 November 2019 the MIB approved the classification of the Eurosystem Collateral Management System (ECMS) as a TARGET Service[*].

- The classification of a service/application as a TARGET service has the following implications:
  - Consistent use of terminology in communication both Eurosystem internally and with users
  - Common branding policy and usage of the TARGET Services logo
  - Ability to make use of Common Components

(*) For information, other TARGET Services are T2S, TIPS and TARGET2 (in the future T2) as listed in Annex 04 of the T2S OPGF

Common Components

- Common Components introduced with the T2/T2S Consolidation are:

  - Common Reference Data Management (CRDM)
  - Eurosystem Single Market Infrastructure Gateway (ESMIG)
  - Billing (BILL)
  - Data Warehouse (DWH)
  - Legal Archiving (LEA)
  - Business Day Management (BDM)

- Usage of Common Components is as follows:

	Eurosystem Single Market Infrastructure Gateway (ESMIG)	Common Reference Data Management (CRDM)	Data Warehouse (DWH)	Billing (BILL)	Legal Archiving (LEA)	Business Day Management (BDM)
T2S	X	X	X	X	X	X
TIPS	X	X		X	X	
T2	X	X	X	X	X	X
ECMS	X	X		X	X	

CRM for Common Components (1/3)

- Changes to Common Components require appropriate involvement of the TARGET Services using it, i.e.:
    - By default, all TARGET Services using a Common Component must be consulted for an impact assessment when changes are proposed to that Common Component.
    - In specific cases where a change has no impact on other TARGET Services (e.g. object in CRDM used by one TARGET Service only), other TARGET Services will only be informed.

- The identification of changes to Common Components is done by the 4CB during their assessment of the CR/PP[*].

- Consultations initiated by the TARGET Service requesting the change are based on:
    - Change Request document (or Business Oriented Description for Production Problems)
    - Clarification Note (focusing on the changes relevant for other TARGET Services)
    - Intended release implementation
    - Also, the timing for the consultation must be clarified by the initiator

[*] Changes to Common Components identified later (e.g. during implementation) will also require ad-hoc consultation.

CRM for Common Components (2/3)

- The implementation of Common Components does not impact the standard delivery of 4 T2S releases per year, scheduled as follows:

	Production Deployment Date	Change Requests (CRs)	Production Problems (PPs)
R X.3	3rd weekend in Feb.	No	Yes
R Y.0	2nd weekend in June	Yes	Yes
R Y.1	3rd weekend in Sept.	No	Yes
R Y.2	3rd weekend in Nov.	Yes	Yes

- Planned releases must be aligned across TARGET Services
  - Alignment does not preclude that other TARGET Services have less releases yearly than T2S (e.g. 2 releases/year)
  - Alignment is required in terms of:
    - Testing
    - Release deployment dates for both testing and production environments, and
    - Timing of related Go/No-Go decisions for release deployment to the testing and production environments.

CRM for Common Components (3/3)

- Disagreements on Common Components (e.g. inclusion of CR/PP that has material impact on other TARGET Services, criticality of solving a release defect,…) requires close coordination across TARGET Services, i.e.:
    - Coordination at technical group level in view of reaching consensus
    - Escalation to Steering Level in case of outstanding disagreement

Proposed changes to the T2S OGPF document

- The provisions highlighted in the previous slides are incorporated in the T2S OGPF[(*)]
  - Change and Release Management – Principles (Section 2.1)
  - Process Descriptions

- A new process is added to organize the delivery of impact assessments for changes requested from other TARGET Services

- A mapping table highlighting which TARGET Service is using which Common Component is added to the T2S OGPF.

- A list of CRDM objects is added to the T2S OGPF, together with a clarification of the TARGET Services using each of these objects.

- The template for T2S Change Requests (used by the CRG) is adapted to track changes required to Common Components.

(*) Other (minor) changes stemming from the lessons learned from previous releases delivery (in 2017 and 2018) have also been processed in this updated version of the T2S Operational Governance Process Framework.
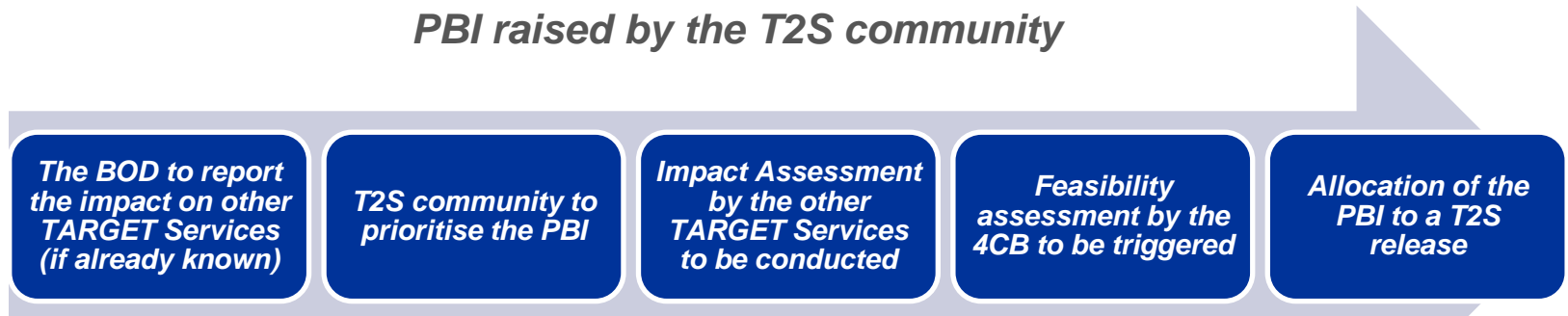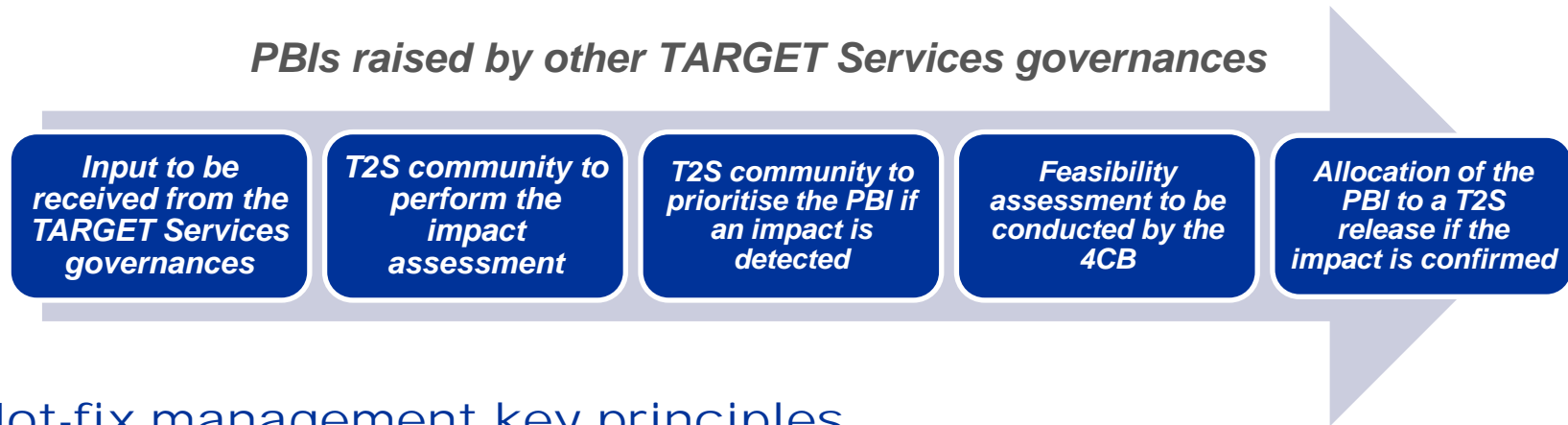
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Proposed changes to the Problem Management for Common Components (1/2)

- In line with the key principles defined in the T2S OGPF the process for Production Problems prioritisation on Common Components has been defined in the T2S MOP (v.4.0):
  - *Information sharing: TARGET Services using a Common Component have to mutually inform each other and be consulted for an impact assessment .*
  - *Analysis: Impact assessment to be conducted when changes are proposed to that Common Component.*
  - *Conflict resolution: In case of disagreement among TARGET Services governances on the allocation of PBIs to a release scope then the PMG will manage the dispute resolution involving the OMG and the potential escalation process to the T2S Steering level in line with the Operational Governance Framework.*

PBI raised by the T2S community

| The BOD to report the impact on other TARGET Services (if already known) | T2S community to prioritise the PBI | Impact Assessment by the other TARGET Services to be conducted | Feasibility assessment by the 4CB to be triggered | Allocation of the PBI to a T2S release |

Proposed changes to the Problem Management for Common Components (2/2)

PBIs raised by other TARGET Services governances

| Input to be received from the TARGET Services governances | T2S community to perform the impact assessment | T2S community to prioritise the PBI if an impact is detected | Feasibility assessment to be conducted by the 4CB | Allocation of the PBI to a T2S release if the impact is confirmed |

Hot-fix management key principles

- *Information sharing:* T2S and the TARGET Services governances will mutually inform each other in case a hot-fix on a common component is requested. The request of a hot-fix on a common component is communicated to all the TARGET Services when the request to start the feasibility assessment is initiated.

- *Analysis:* Impact assessment to be conducted by the TARGET Services when changes are proposed to that Common Component .

- *Dispute resolution*: In case of disagreement among TARGET Services governances on the allocation of PBIs to a release scope then the PMG will manage the dispute resolution involving the OMG and the potential escalation process to the T2S Steering level in line with the Operational Governance Framework.

Next steps

The T2S Steering Level will be asked

- to approve the updated procedures as described in the T2S Operational Governance Process Framework in view of the introduction of Common Components; and

- to adopt necessary amendments to the T2S legal documentation.

The governance bodies of other TARGET Services are invited to consider the same principles when defining the detailed change and release management procedures for their respective service. This aims to ensure sufficient coordination across TARGET Services related to changes in common modules .