



EUROPEAN CENTRAL BANK

EUROSYSTEM

Handling of cross-service impacts

TIPS-CG Meeting

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Market Infrastructure Development
DG Market Infrastructures and Payments



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Introduction

- TARGET Services use **common** software components and exchange information across services. This integration means a change in one Service can have impacts on the functionalities or users of another Service.
- The purpose of this presentation is to highlight the principles followed to handle such **cross-services** impacts. These principles shall in turn be reflected in the final draft of the TIPS Operational Governance Processes Framework.
- The principles and resulting process shall apply consistently across all TARGET Services. From a given Service perspective, the steps will differ depending whether that Service is:
 - the Service **initiating** a change, or
 - Impacted (or **potentially impacted**) by a change initiated in another TARGET Service

Overall handling of cross-service impacts

Originating Service (e.g. TIPS)

1. Originating Service provider to provide the envisaged changes and to flag, if possible, a potential impact on another Service

4. Governance of the originating Service to resume release scoping

4CB_{TIPS}

TSWG

Other Service (e.g. T2S)

2. Other Service's provider to confirm (or infirm) the impact, including flagged issues, and describe it for the users of that Service

3. Governance of the impacted Service to assess / accept impact

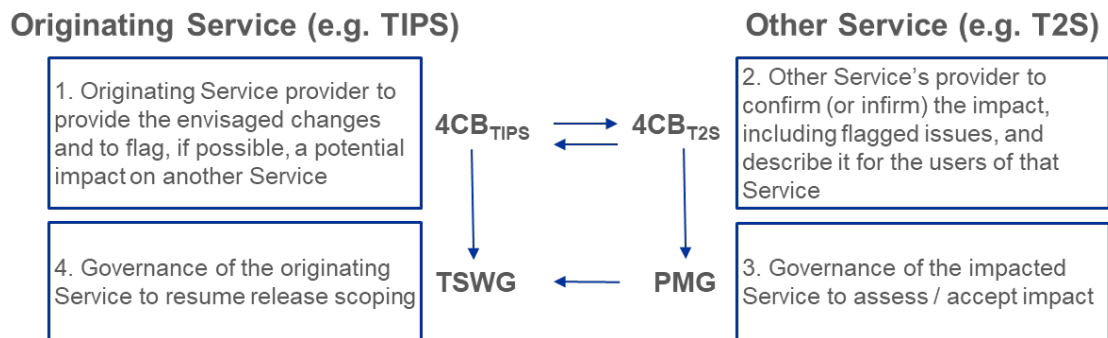
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PMG

All types of impacts are expected to follow this generic process: modification of a common component, but also message specifications/contents, timing of events/tasks, performance..

Cross-service impact analysis should also consider impacts on testing.

TIPS as originating Service



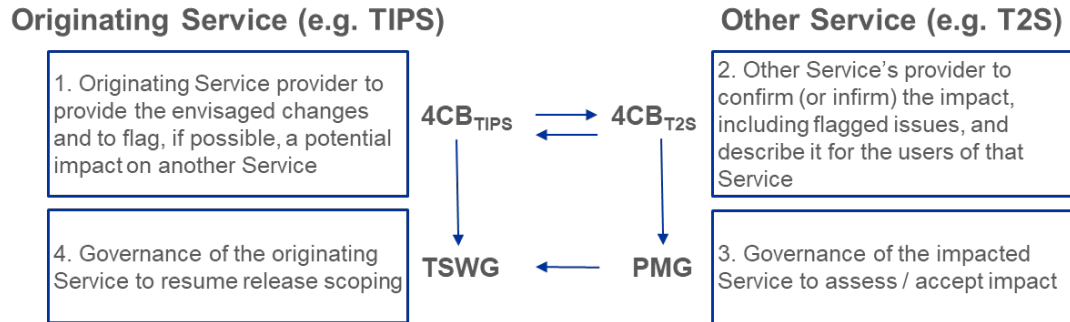
For every TIPS change request, and every software fix affecting SDD, common components and/or interface between Services, the **TIPS service provider (SP)** liaises with other **TARGET Services' SP** to identify impacts, as **early** as possible in the change management process (e.g. preliminary assessment). If likely impacts are identified at this early stage, governances of other Services must be **informed**.

TIPS as originating Service

When a target implementation date is known, as well as the detailed design of the TIPS CR (i.e. during the detailed assessment):

- The governances of other Services will receive a cross-service impact clarification note ('ICN' notes) detailed the impact from their perspective
- The TSWG must wait (1 week) for the confirmation from impacted Services' governances that the impact, in the foreseen release, is **acceptable**, **before** seeking SL approval
- Dialogue between governances, and if needed, escalation to the Steering Level is possible

TIPS as originating Service (continued)



Besides the “normal case” described on the previous slide:

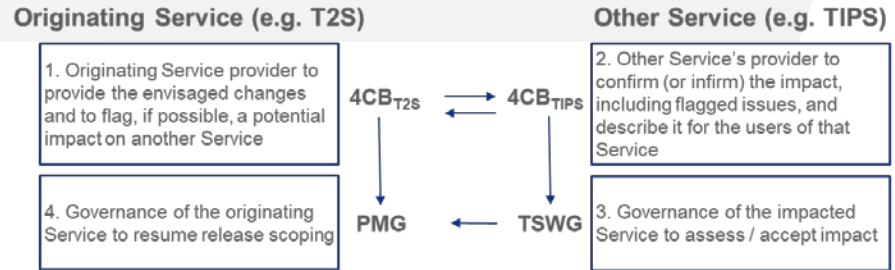
- If the TIPS CR (or software fix) **does not have an impact** on other Services AND does not modify any common component, then the process stops with recording, in the TIPS CR, that no cross-service impacts were identified
- If no impact was identified by the other Services' SP, BUT the TIPS CR/software fix does modify a common component, then these other TARGET Services' governance must be [informed](#) of the planned TIPS change and the absence of resulting impacts.

TIPS as originating Service (continued)

- If the TIPS CR requires a change to a dedicated component of another Service, then:
 - Instead of an ICN clarification note, a CR must be raised in that other Service
 - The “complementary CR” follows the normal CR processes of that other Service - including cost recovery, i.e. each Service bears the cost of its CR
 - The dependency of the TIPS CR on the other Service’s CR must be tracked as such

TIPS as impacted Service

At an early stage, TSWG may receive the notification that a CR raised / software fix in another Service will modify a common component / **may affect TIPS** (e.g. after preliminary assessment in T2S) .



When the target implementation date of the originating Service is known, as well as the detailed design of the CR/software fix (i.e. during the detailed assessment, for a CR):

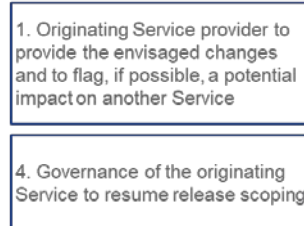
- The TSWG will receive a cross-service impact **clarification note** (TIPS-ICN-0001 (T2S CR-###) detailing the impact from TIPS' users perspective
- The TSWG must confirm (typically within 1 week) to the originating governance whether the impact, in the foreseen release, **is acceptable** from TIPS users' perspective
- Dialogue between governances, and if needed, escalation to the Steering Level is possible in case the impact, in the foreseen release, is not acceptable

TIPS as impacted Service (continued)

Besides the “normal case” described on the previous slide:

- If the TIPS CR (or software fix) does not have an impact on other Services AND does not modify any common component, then the process stops with recording, in the TIPS CR, that no cross-service impacts were identified
- The TIPS TSWG will be informed of planned T2S/ECMS/T2 changes that modify a common component even if no impact on TIPS has been identified by the TIPS SP.
- If the CR of another Service requires a change to a TIPS dedicated component, then:
 - a CR will be raised in TIPS (typically by the ECB with 4CB support)
 - this “complementary CR” will follow the change/release management processes defined in the TIPS OGPf - including cost recovery, i.e. each Service bears the cost of its CR
 - The dependency of the other Service’s CR on the TIPS CR must be tracked as such (i.e. planning changes should be reported to the Service which has a dependency on the TIPS CR)

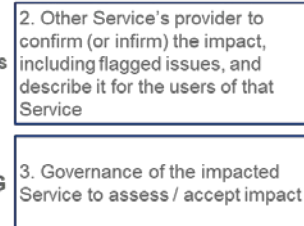
Originating Service (e.g. T2S)



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Other Service (e.g. TIPS)



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