



EUROPEAN CENTRAL BANK

EUROSYSTEM

ECB-UNRESTRICTED

DG-MIP/MID

TARGET Instant Payment Settlement

Status update and
testing strategy

AMI-Pay, 29 September 2017

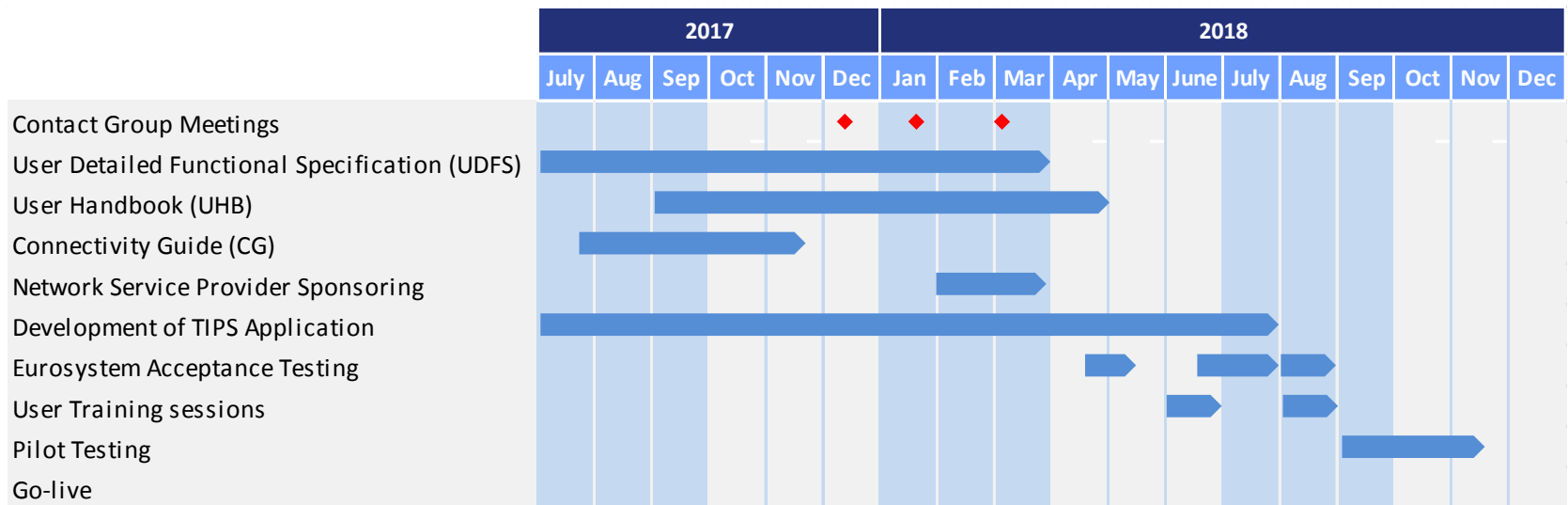
Table of contents

1 TIPS status update

2 TIPS test strategy

TIPS status update

- Project endorsed by the Governing Council of the ECB in June 2017
- Price: **at most 0.20 eurocents per transaction**, charged to the originator bank, for the first two years
- Timeline:



TIPS Contact Group

- TIPS Contact Group composition has been approved by the Market Infrastructure Board
 - Composition: 40 participants (15 PSPs, 12 IPs and 13 NCBs)
 - 1st meeting took place on 28 September 2017 covering:
 - Mandate of the CG
 - Timeline of the project/CG
 - First discussion on structure of User Detailed Functional Specifications (UDFS)
 - First discussion on Connectivity Guide
 - Presentation on testing strategy
 - Calendar of meetings during the whole realisation phase

TIPS on Tour

- TIPS has been presented in 16 countries
 - The Tour ended with the last two events taking place in two non-euro countries in September



Stockholm on 12 September 2017



Warsaw on 20 September 2017

TIPS Deliverables

Deliverable	Status
User Requirements	Finalised
Connectivity Requirements	To be finalised in October
Connectivity Guide	Connectivity model completed; registration of new users drafted; NSP certification check list under preparation
High-level Technical Design	Drafting is ongoing (completion around 80%)
User Detailed Functional Specifications	Table of content presented in the CG along with the borders between the UDFS of TIPS and the UDFS of the shared services; first draft of part of the document submitted for preliminary feedback of the CG members

Table of contents

1 TIPS status update

2 TIPS test strategy

Test stages overview

1. Eurosystem Acceptance Test (EAT)

- Performed by the Eurosystem
- During and after development of the service

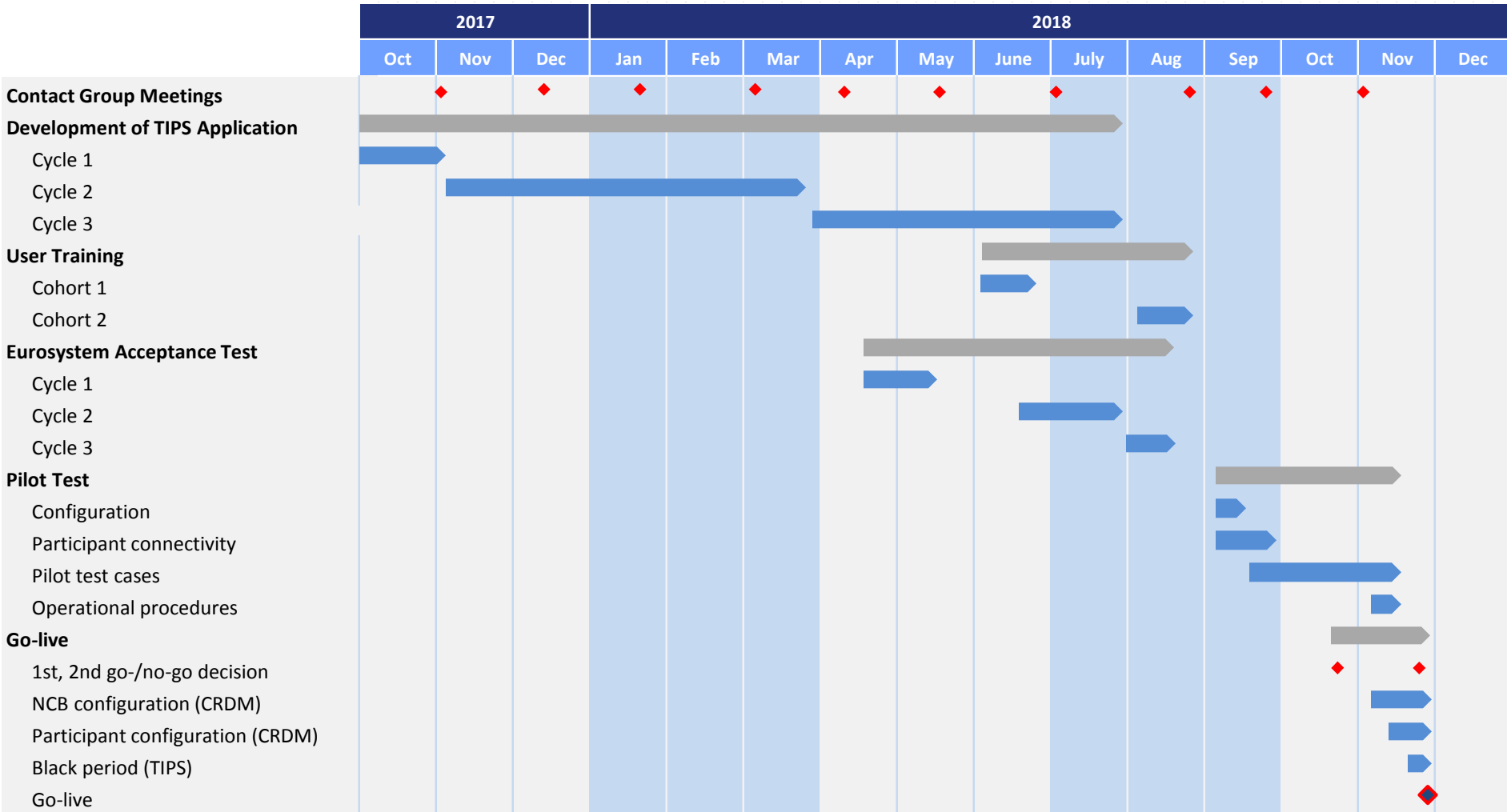
2. Pilot Test (Pilot)

- Performed by TIPS users (i.e. Participants and Central Banks)
- Dedicated test phase from September to mid-November 2018

3. Certification Test (operational phase)

- Performed by new TIPS joiners
- Multiple waves foreseen after go-live

Timeline



Eurosystem Acceptance Test

- Split into **multiple cycles** throughout the development phase
- Objective of the EAT phase is to provide an independent view on the compliance of the implementation to the functional documentation by executing both:
 - **functional tests** (e.g. process speed is considered to be a functional requirement)
 - **non-functional tests** such as
 - performance
 - business continuity
 - security
- Test cases are based on URD and UDFS
- The participants will be informed about the defects that remain at the start of the Pilot Testing phase

Pilot Test

- Purpose is twofold
 - i. Users ensure that their own systems interface work correctly with TIPS (**certification**); and
 - ii. Users are given the opportunity to perform a comprehensive end-to-end testing of the service functionality (**free testing**)
- The certification part during pilot testing is equivalent to certification tests during the operational phase for new joiners; mandatory test cases are provided by the Eurosystem
- Users have to prepare **their own test cases** for free testing
- Users fulfil **roles as during operations**, i.e.
 - Central Banks are responsible for the setup of entities and accounts as well as support for Participants from their national community
 - Participants configure CMBs and links and execute their actual test cases
- Eurosystem teams will ensure coordination and provide operational and technical support

Certification Test

- Only done **after go-live** of TIPS
- Purpose is similar to pilot testing
 - New joiners ensure, that they are operationally ready to join TIPS (actual certification)
 - New joiners have the opportunity to execute their own test cases
- Could be organised in waves
 - Either with pre-defined timeframes (multiple times per year); or
 - Whenever a certain number of new joiners are willing to start testing
- Mandatory test cases are identical to the ones used during pilot certification (updated based on the experience gained during testing)

Test environment

- Operating times
 - TARGET2 CUST business days and operating hours
 - can be available 24/7 for specific testing activities
- Provides simulators for
 - TARGET2 CUST (liquidity injector); and
 - a TIPS Beneficiary Participant

Thank you for the attention!

 **TIPS@ecb.int**

www.ecb.europa.eu/paym

 **ECB: market infrastructure and payments**