

Vito Lasorella – Banca d'Italia

# Task Force on TARGET Instant Payments Settlement

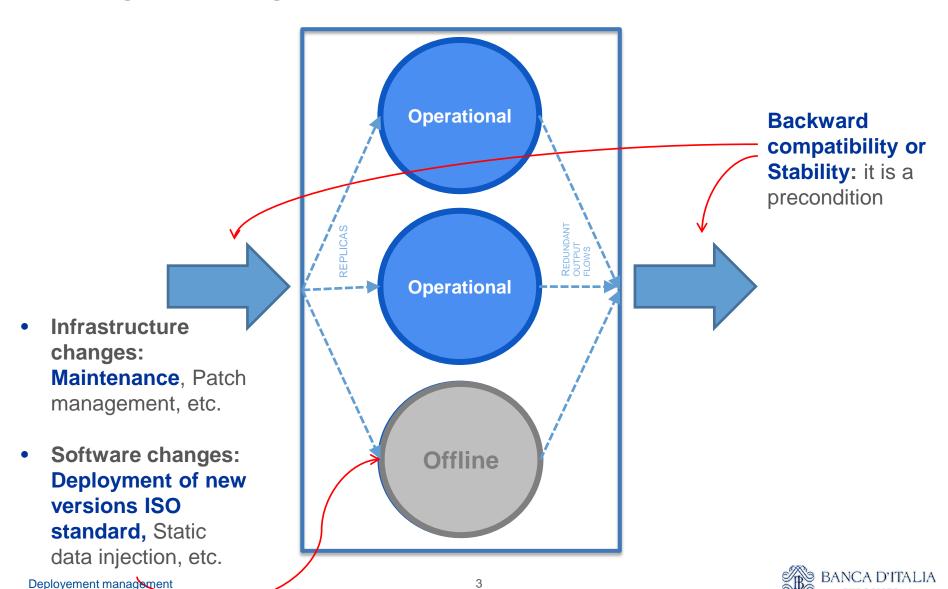
5th Task Force Meeting 9 March 2017

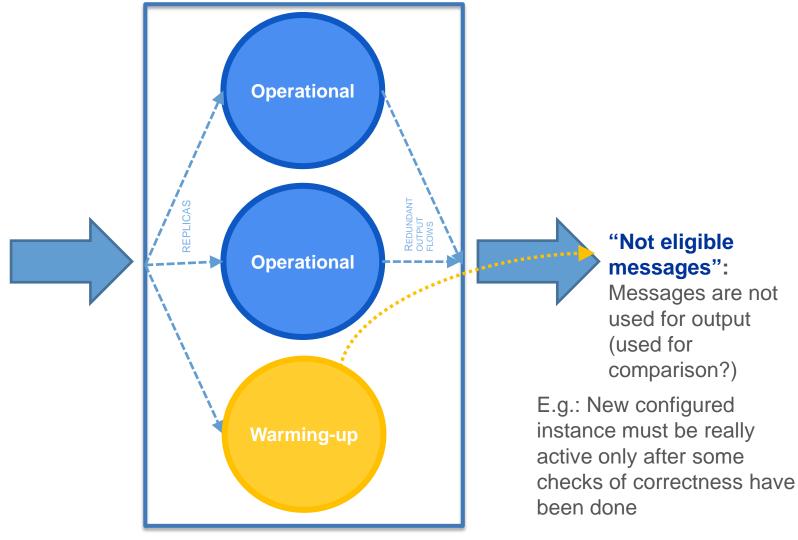
Deployment management approach for infrastructure/software changes to comply with no downtime

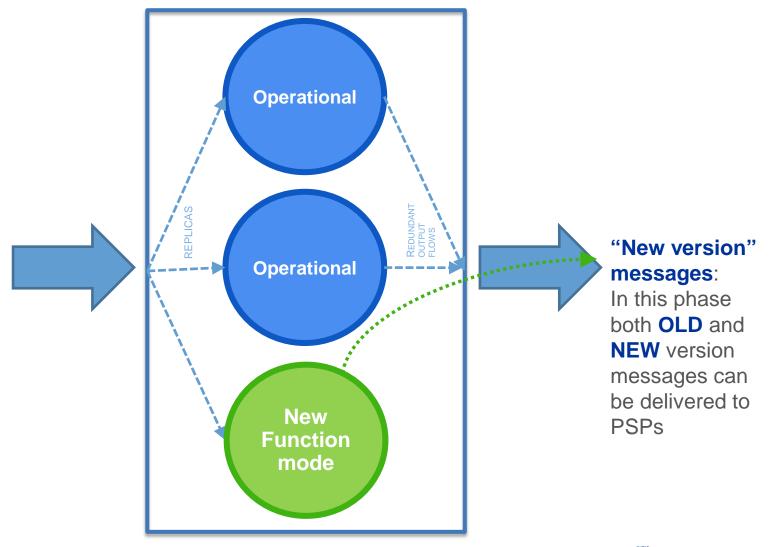
## TIPS availability

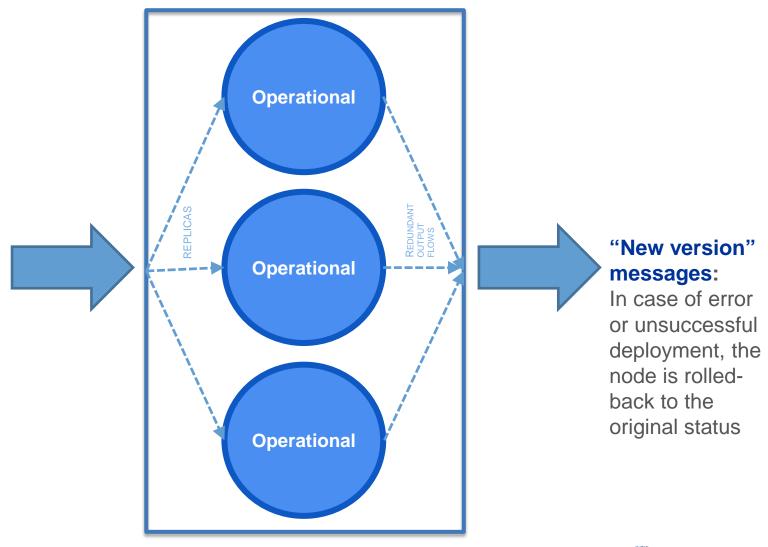
- TIPS will operate 24/7/365, without the need for any maintenance window or daily interruption of the service.
- The following slides explain how TIPS should manage any potential infrastructure or software changes (including ISO release) without stopping the service. The process applies:
  - Into TIPS server
  - Within TIPS community
    - E.g.: change of ISO 20022 standard.











# Compatibility mode 1/3

#### To allow continuous operation:

- Any change in the system should be designed to be deployed in two steps:
  - Step 1 Compatibility mode where new and old behaviors can coexist.
  - Step 2 New function mode where old behavior is not allowed anymore

# Compatibility mode 2/3

Example: A new mandatory tag must be added to a message from time T<sub>F</sub> change in the system should be designed to be deployed in two steps

#### Step 1 – Compatibility mode:

- At T<sub>0</sub> all receivers must be able to accept (maybe ignoring it) the new tag
- At T<sub>1</sub>>T<sub>0</sub> senders can produce the new tag

#### • Step 2 – New function mode:

- At T<sub>F</sub>>T<sub>1</sub> all senders must produce the new tag
- Old format not allowed anymore



## Compatibility mode 3/3

Example: A new service must provided starting from time T<sub>F</sub>

- Step 1 Compatibility mode:
  - At T<sub>0</sub> all servers must be able to provide the service if asked to do so. No clients can require the new service
- Step 2 New function mode:
  - At T<sub>F</sub>>T<sub>0</sub> any client can require the new service

