

# TIPS

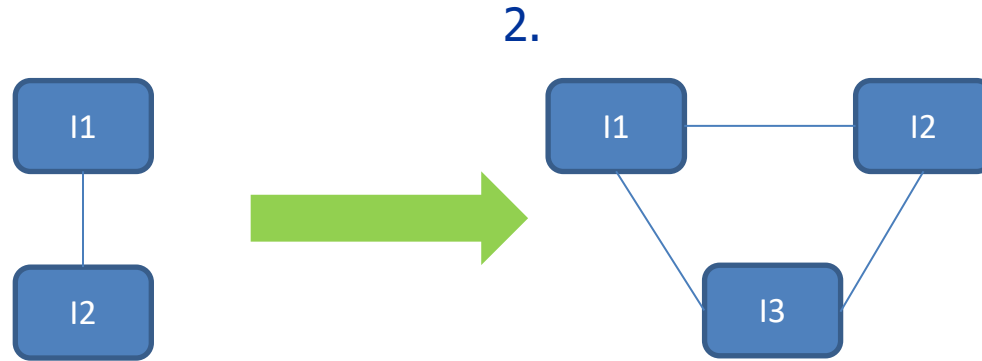
## Operational Resilience Enhancements

TIPS Consultative Group – 13 April 2021

1. TIPS RACE (Resilience And Continuity Enhancements)
2. TIPS E2E Checker

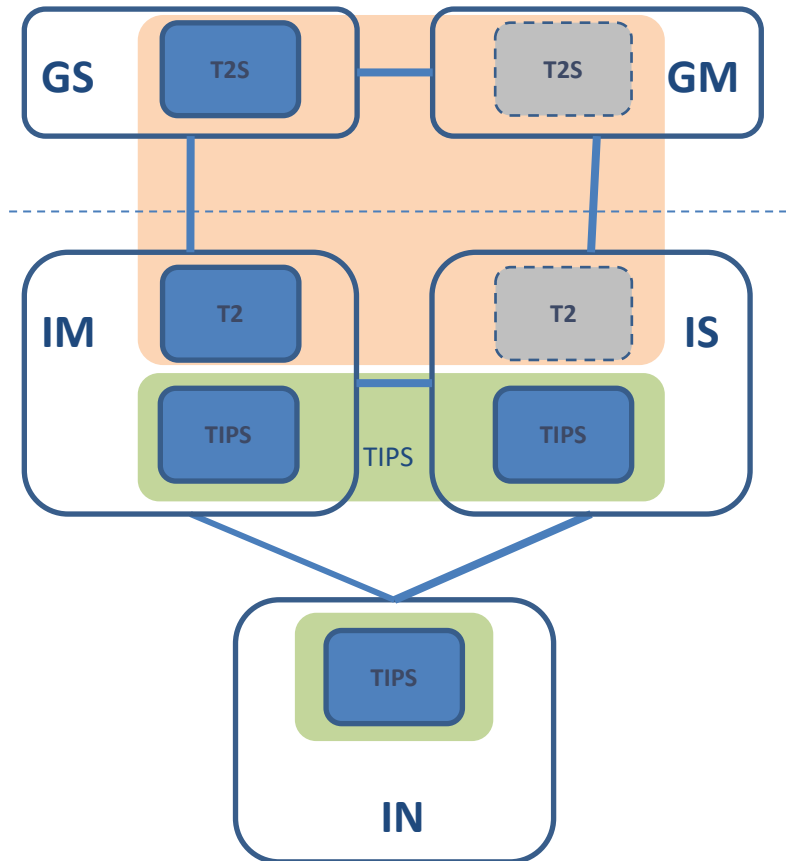
- The TIPS RACE change request addresses five business continuity objectives:
  1. bring the Recovery Time Objective (RTO) value to zero in the event of major failures (current value: 15 minutes)
  2. reduce the “planned” downtime by improving the efficiency of change management and vulnerability and patch management processes
  3. ensure continuity of the TIPS platform during the execution of TARGET2 and T2S business continuity tests
  4. increase the resilience of the TIPS infrastructure through a three-sites setup
  5. introduce new technologies, enabling factor for continuous improvement

1. Increase the redundancy of the TIPS infrastructure, moving from a two-sites architecture to a three-locations architecture.

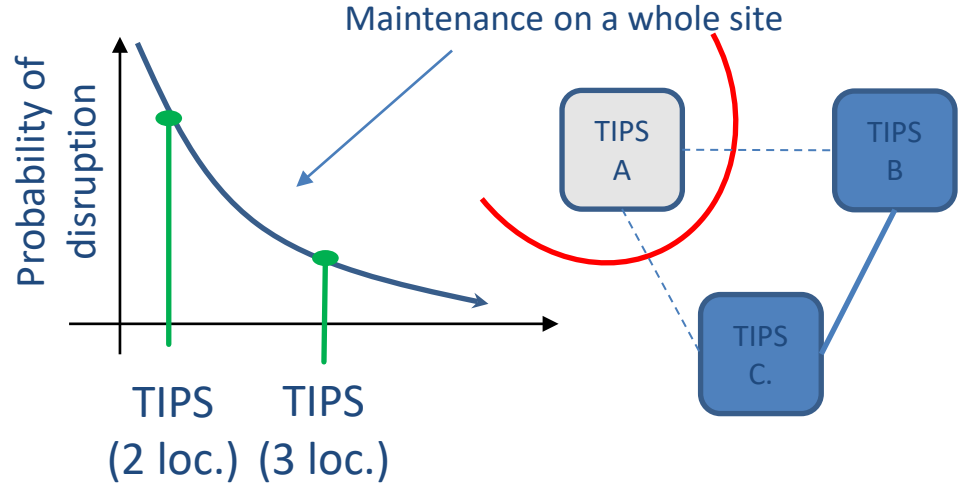
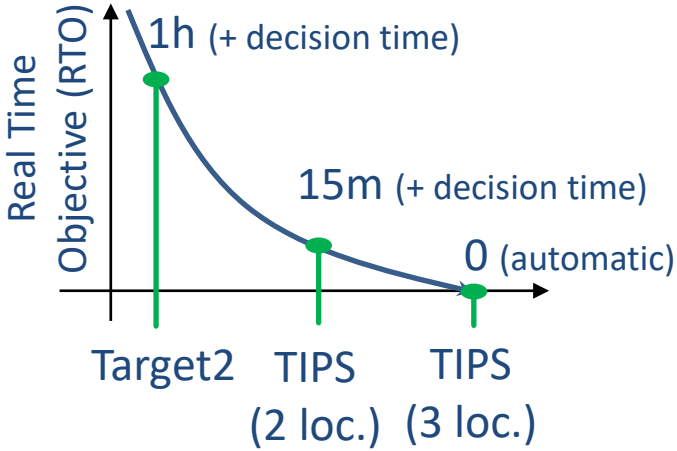


3. Increase the level of independency of the TIPS infrastructure from T2 and T2S (mainly internal network)

- EMIP Mainland and TIPS RACE

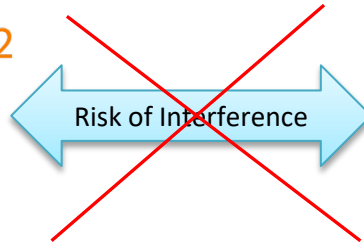


- Three locations



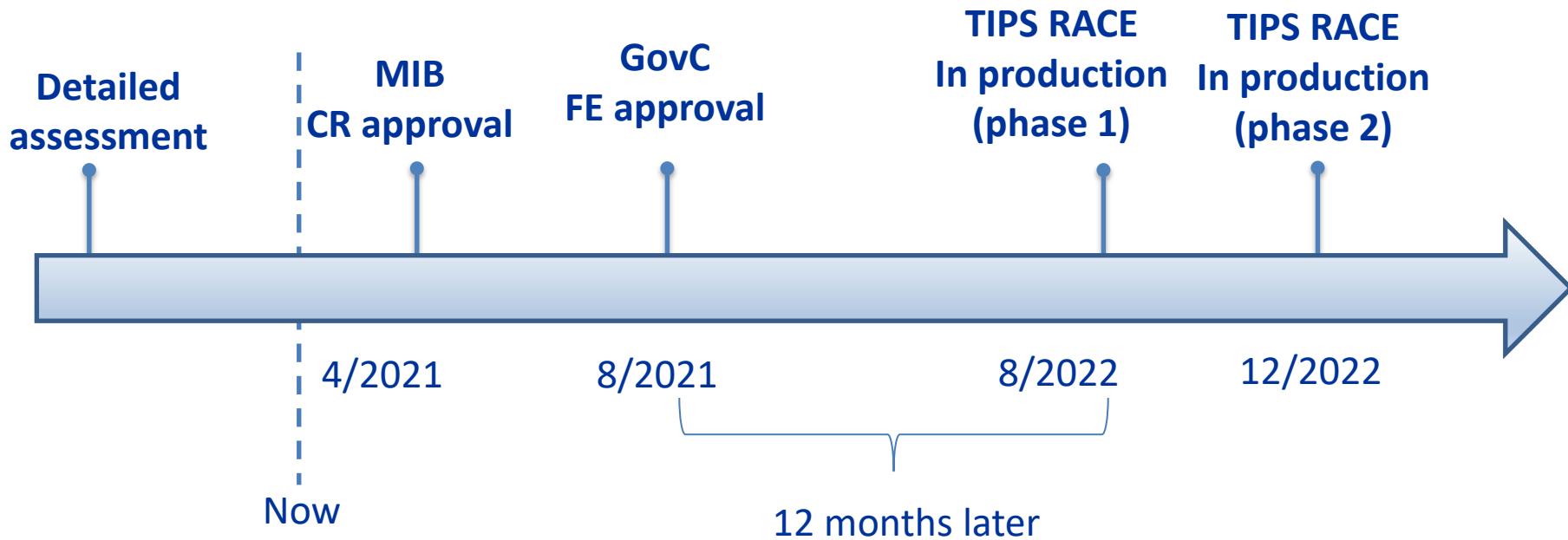
target | T2  
services

tas  
TARGET-SECURITIES



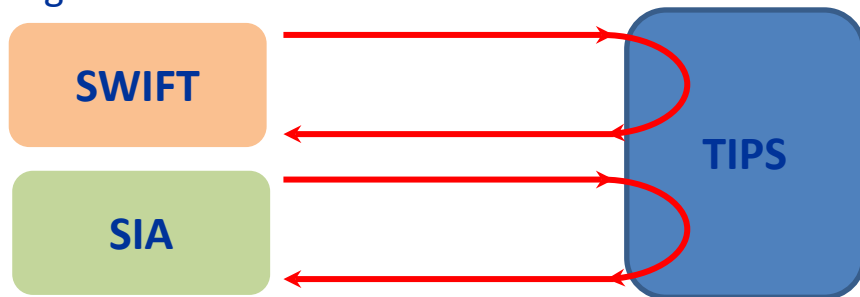
target | TIPS  
services

# TIPS RACE



Involvement of the NSPs to verify the correct functioning of TIPS from outside to promptly notify in case of service interruption, thus covering also unavailability of TIPS internal monitoring.

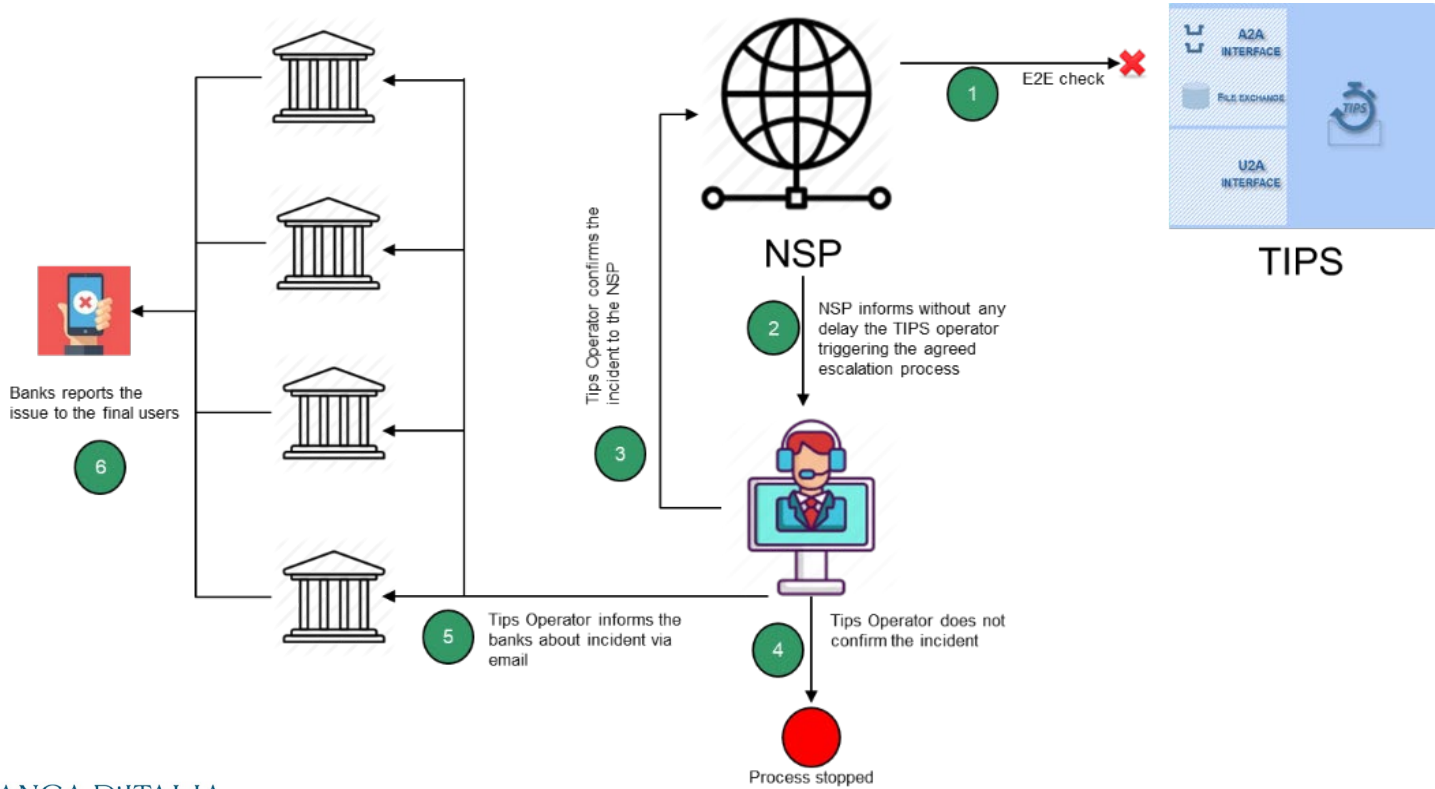
Even probing from a single NSP has an added value.



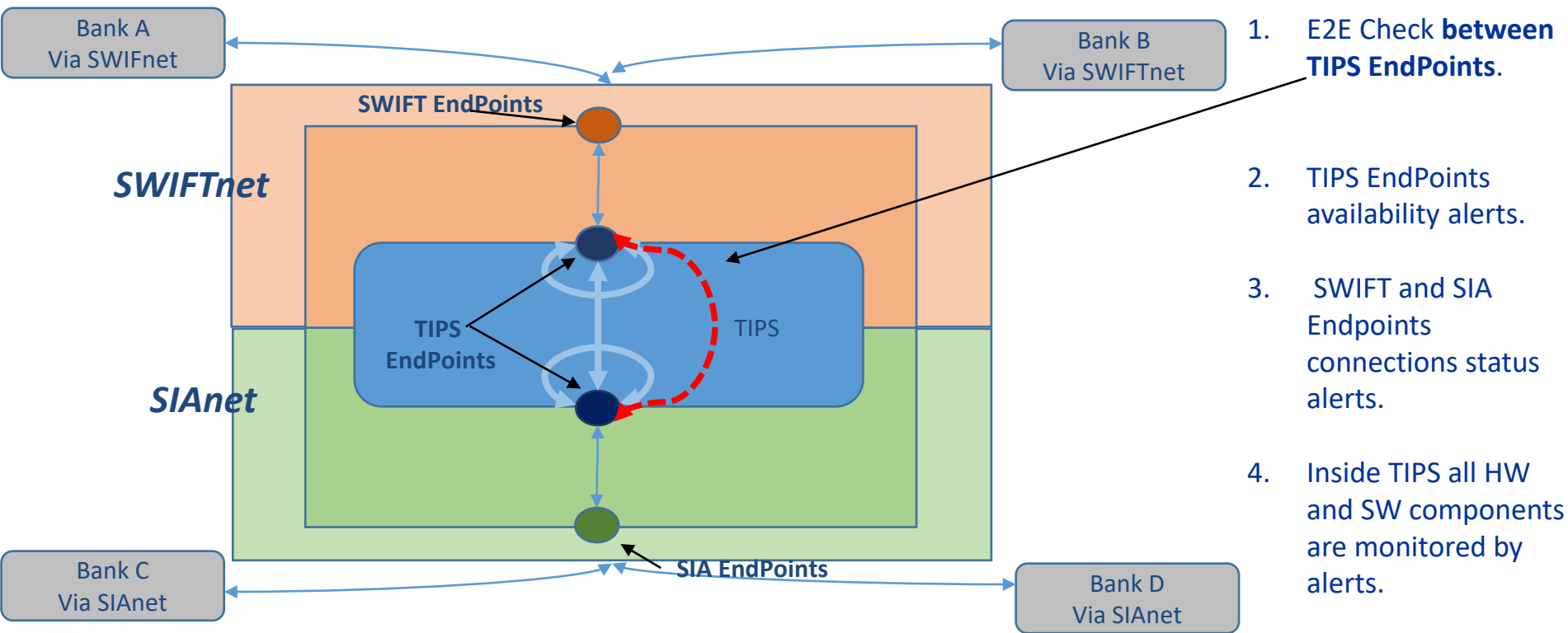
The TIPS Operator will develop a new tool (Email Notifications Tool) that can be used to subscribe the Central Banks and their participants to receive email notification in case of incident.



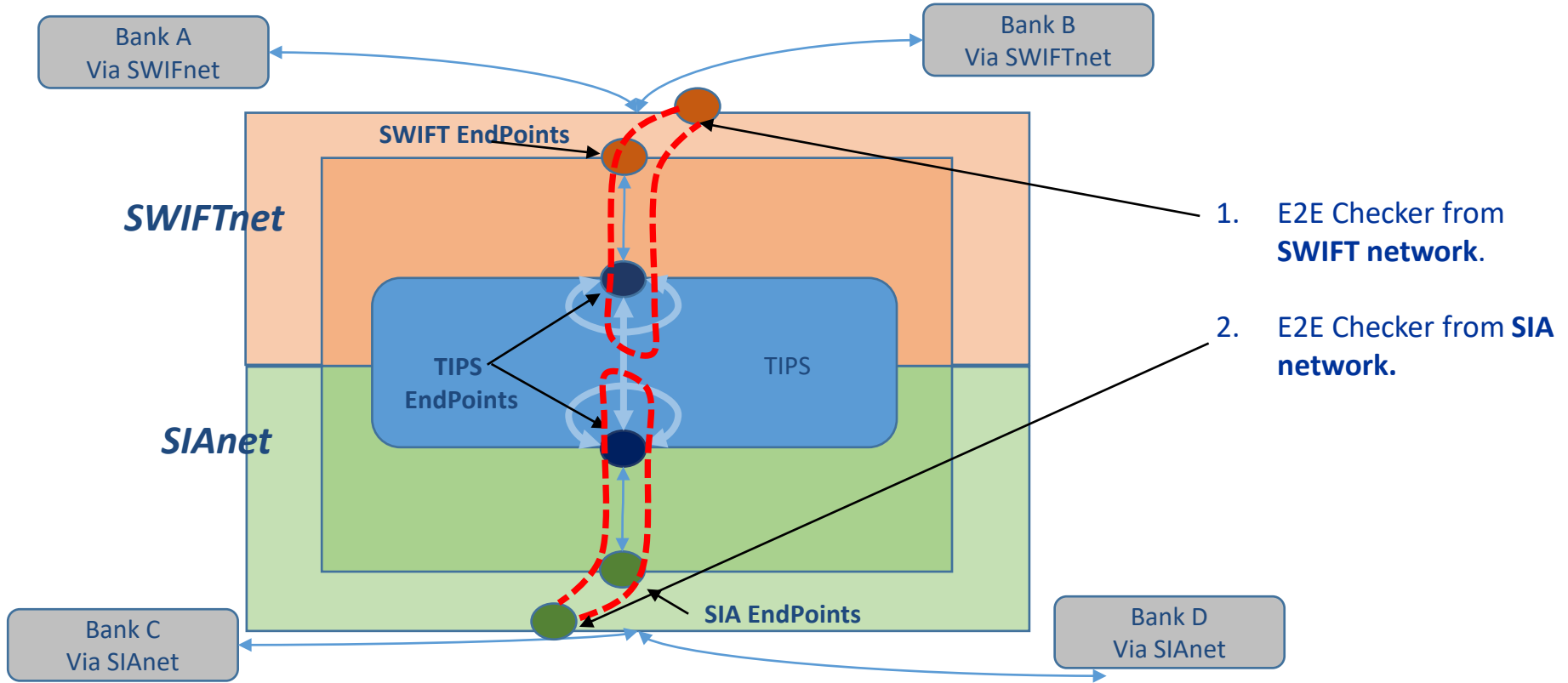
- Email notification tool



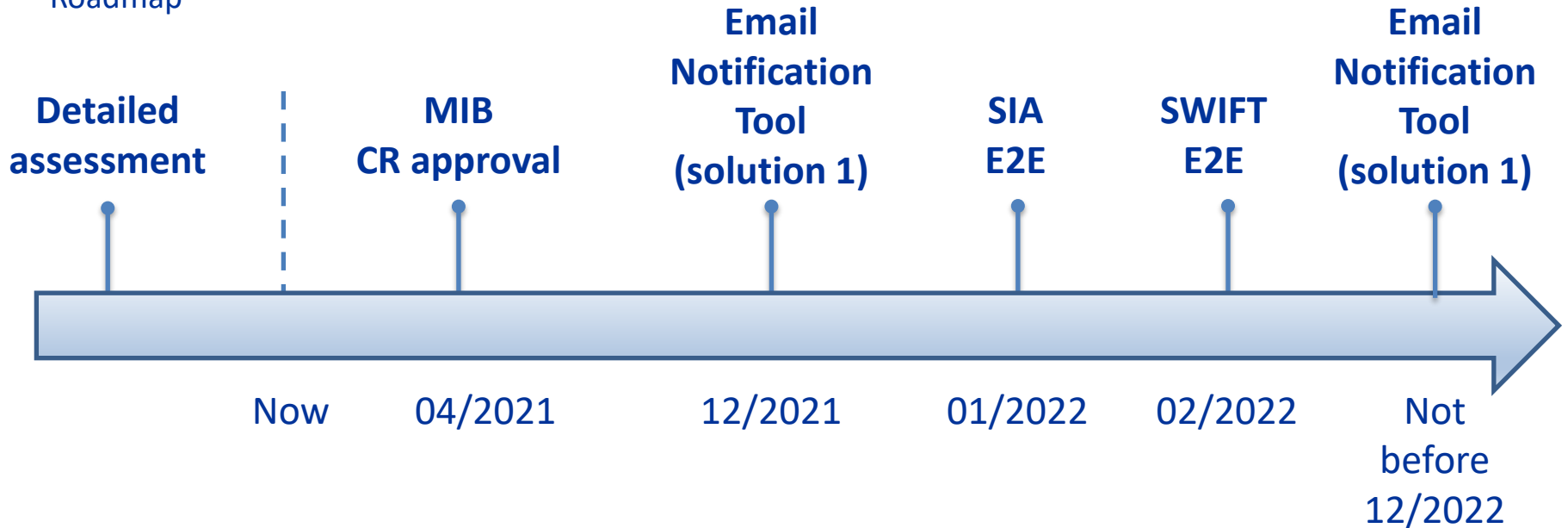
## A2A message flow and current monitoring capabilities



1. E2E Check **between TIPS EndPoints**.
2. TIPS EndPoints availability alerts.
3. SWIFT and SIA Endpoints connections status alerts.
4. Inside TIPS all HW and SW components are monitored by alerts.



- Roadmap



Thank you for the attention!