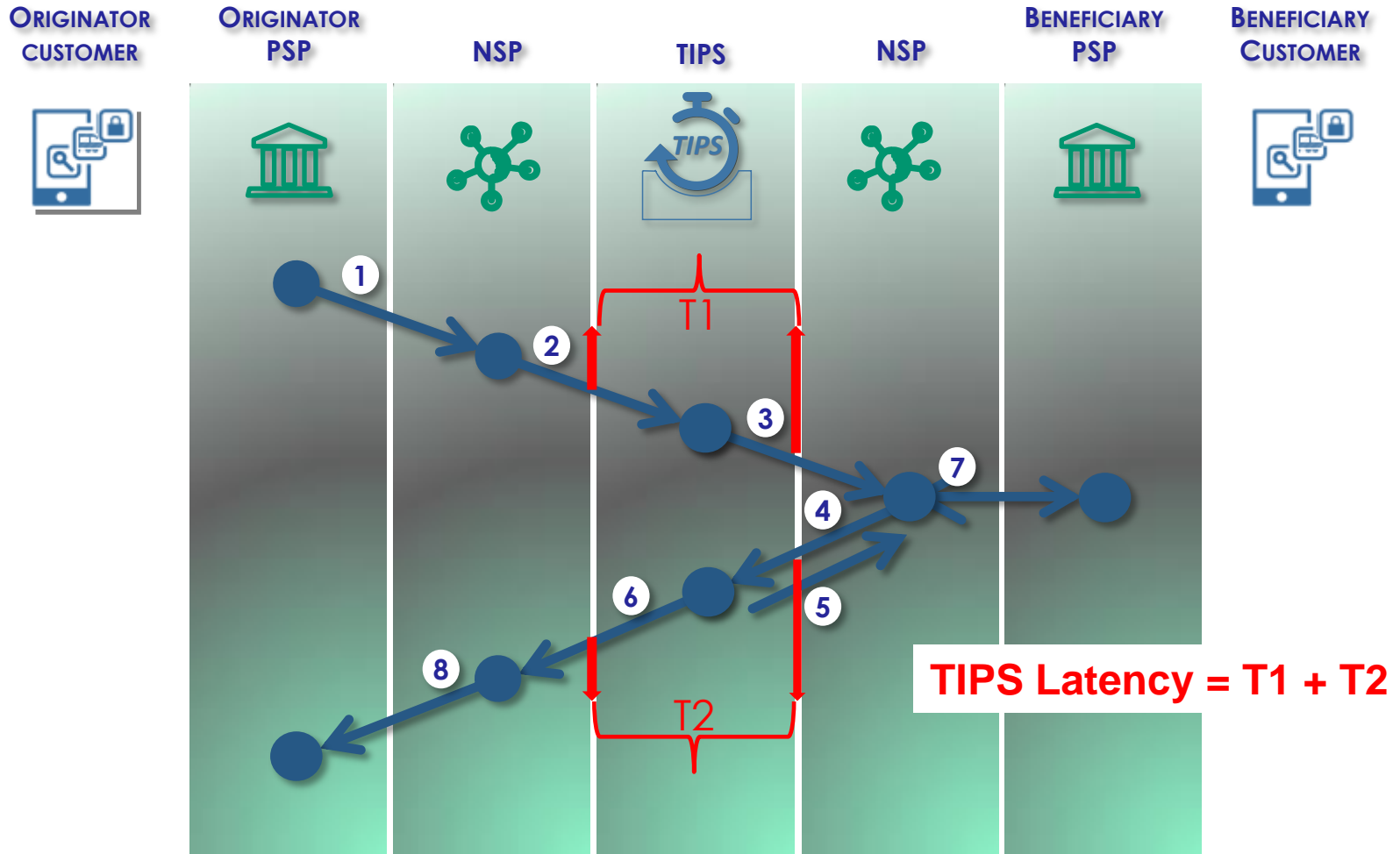


TIPS Latency Measures (November 2017)

Perimeter



Environment

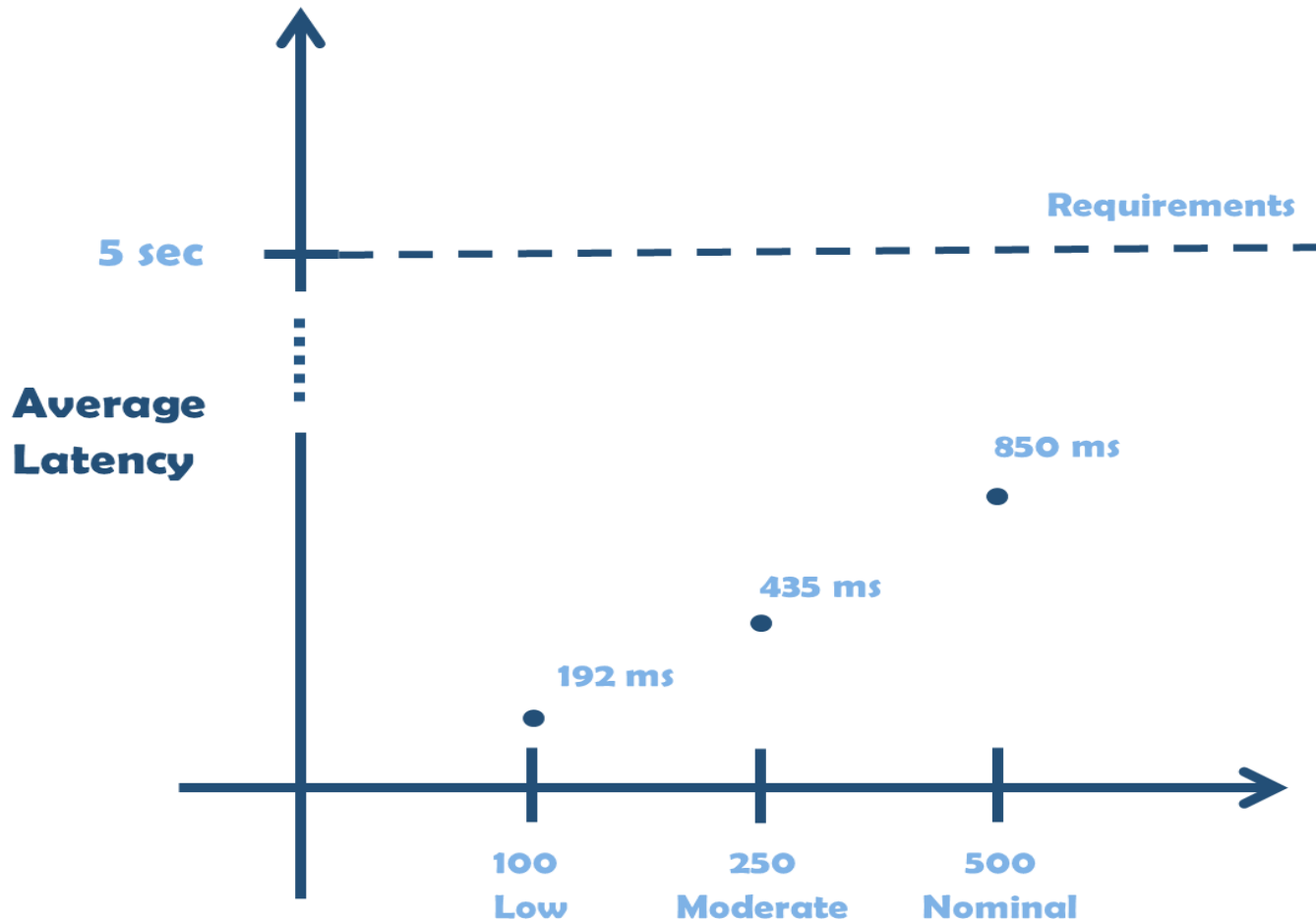
- TIPS application is under development into a temporary environment (Banca d'Italia domestic server farm) with a similar topology (e.g. multiple parallel instances) but less powerful hardware
- Some features, potentially affecting the latency, have not been implemented so far, such as:
 - Internal security (database, broker, local authentication)
 - Multi-site stretching cluster

Conditions

Average latency per 1 minute, under:

- Low workload (100 ip/sec)
- Moderate workload (250 ip/sec)
- Nominal workload (500 ip/sec)

Results



Conclusions

TIPS application behaves as expected and no bottlenecks have been found at the current stage of the implementation

The test campaign will be repeated in June 2018 when a testing environment with a configuration more close to the production one will be available