



**Network Manager**  
nominated by  
the European Commission



# FUTURE NM SYSTEM ARCHITECTURE WORKSHOP

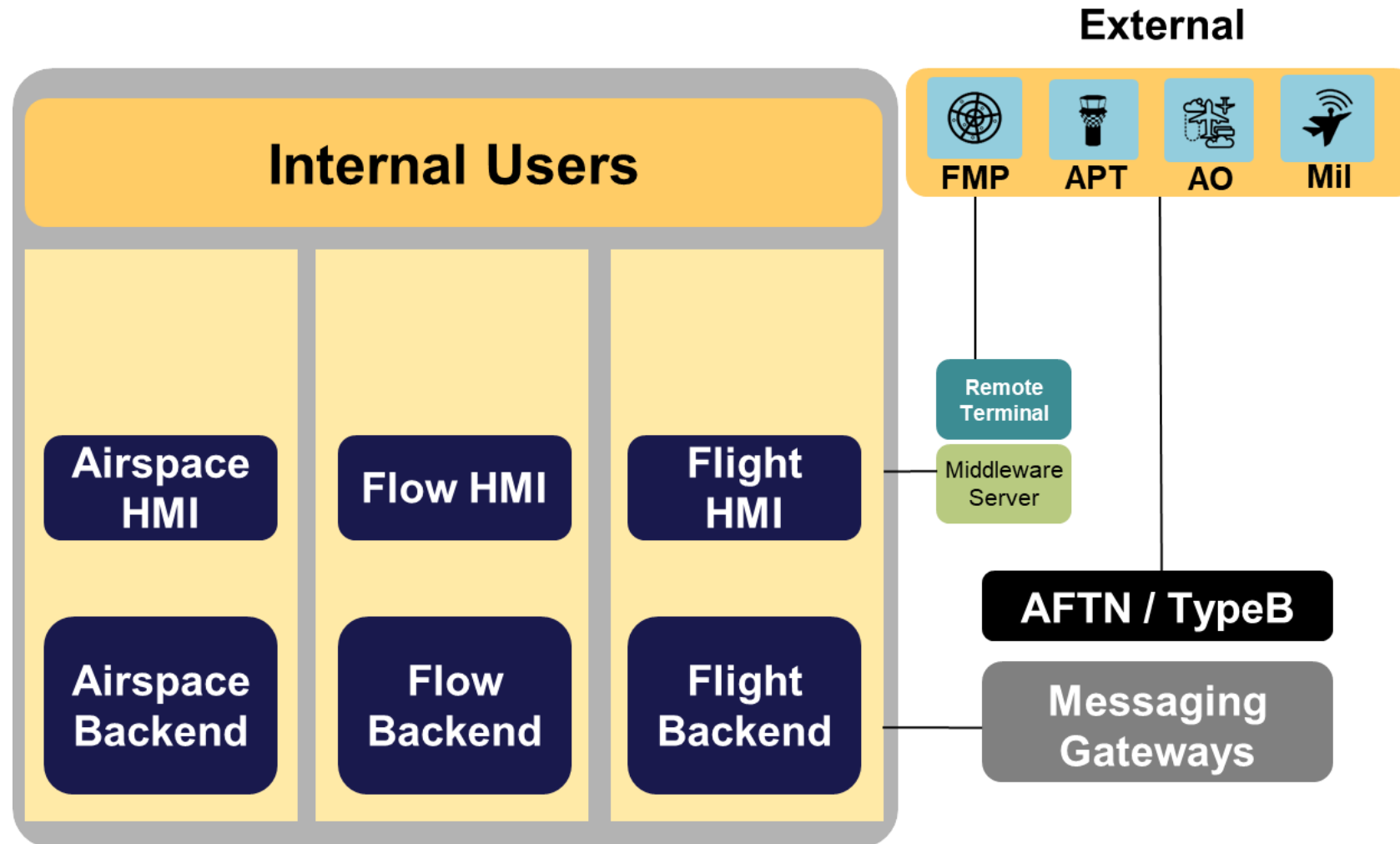
Future NM System Architecture Study

Jean-Pierre Aiguier  
Network Technical Systems  
27<sup>th</sup> March 2019

# Agenda

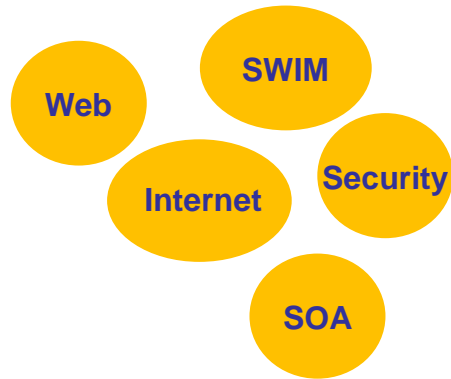
| Time          | Topic   |
|---------------|---|
| 10:00 – 10:10 | <b>Introduction</b><br><i>Joe Sultana, Director Network Management</i>                          |
| 10:10 – 10:30 | <b>Future NM system architecture study</b><br><i>Jean-Pierre Aiguier, NMD/NTS</i>               |
| 10:30 – 11:15 | <b>System Architecture, part I / Business context</b><br><i>Idalina Mendes Videira, NMD/NSD</i> |
| 11:15 – 11:30 | <i>Coffee break</i>   |
| 11:30 – 12:00 | <b>System Architecture, part II / Technical context</b><br><i>Yves Steyt, NMD/NTS</i>           |
| 12:00 – 12:30 | <b>Questions / Answers</b>  |
| 12:30 – 13:30 | <i>Lunch</i>  |
| 13:30 – 14:00 | <b>Delivery model &amp; roadmap</b><br><i>Jean-Pierre Aiguier, NMD/NTS</i>                      |
| 14:00 – 14:15 | <b>Financial elements</b><br><i>Herman Baret, NMD/OFF</i>                                       |
| 14:15 – 14:45 | <b>Questions / Answers</b>  |
| 14:45         | <b>Closure</b>  |

# Architecture in the 1990's

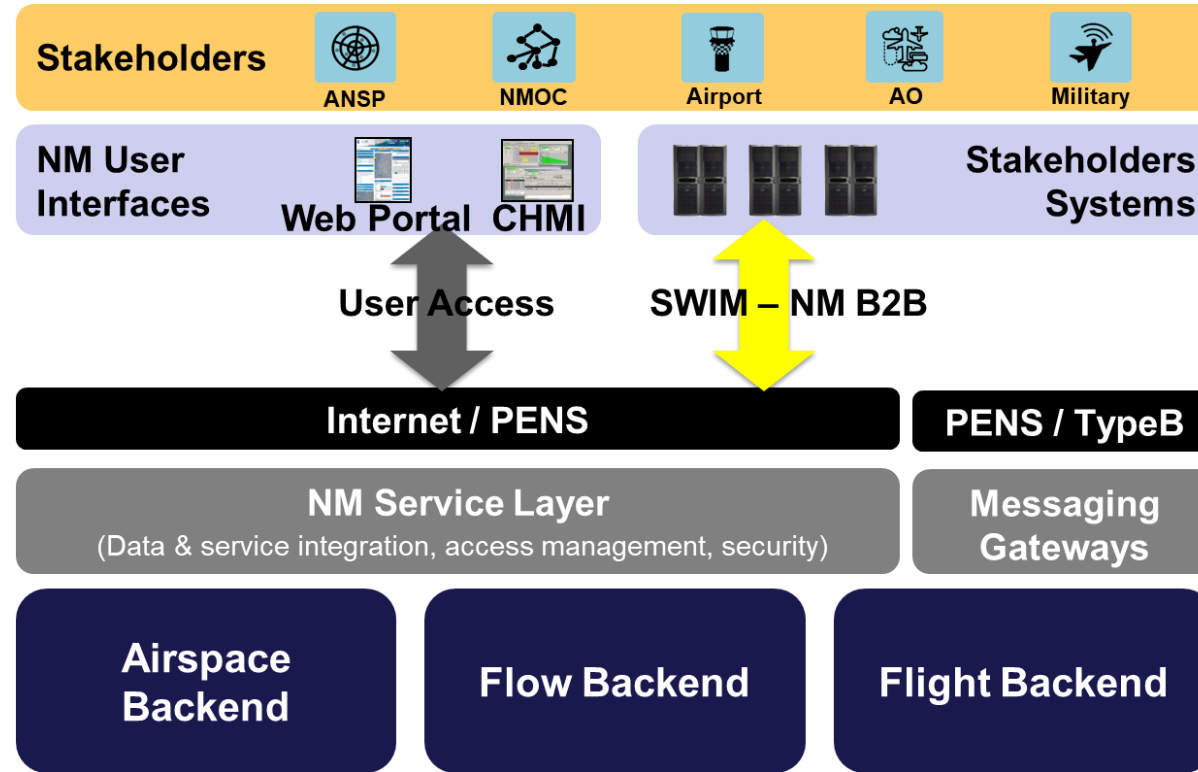
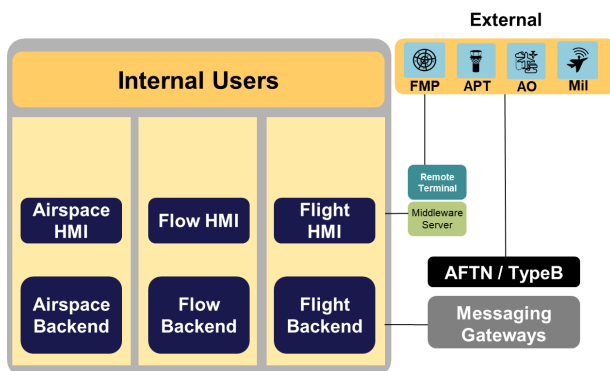


**ATC Model**

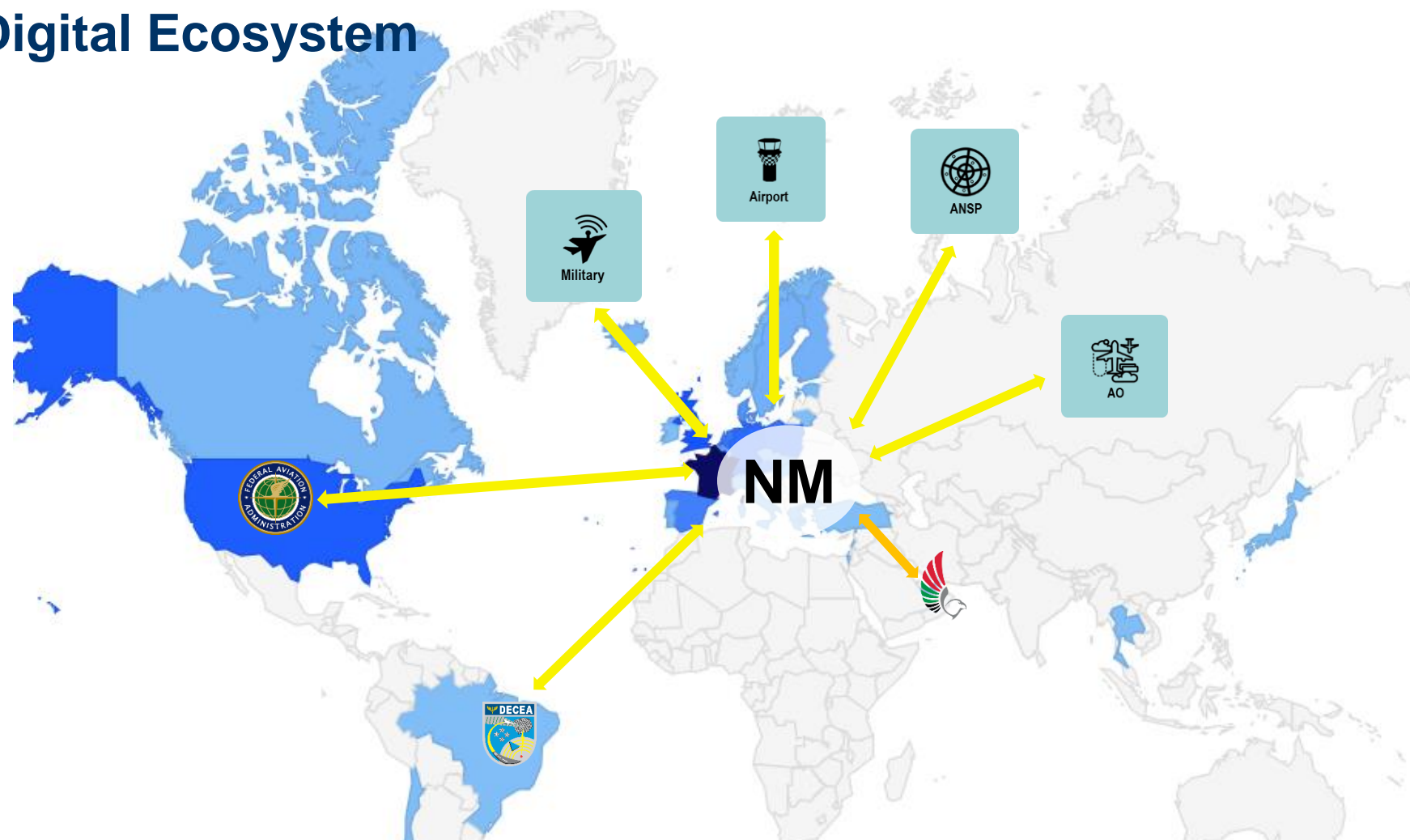
# Phased Digital Transformation



2000 – 2009



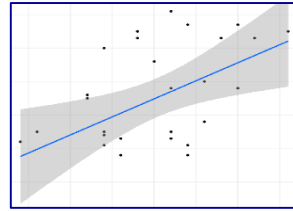
# NM Digital Ecosystem



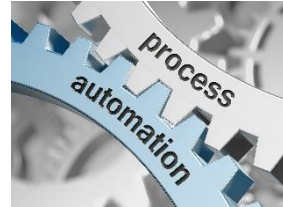
*Give Take Multiply*

1. NM receives, validates, aggregates Network Information
2. NM executes the NM functions
3. NM distributes enriched Network Information

Optimisation



Predictability



Efficiency



Informed decision-making

**Data-driven**  
**Intelligent**  
**Open**  
**Modular**



Global ATFM



User Intimacy

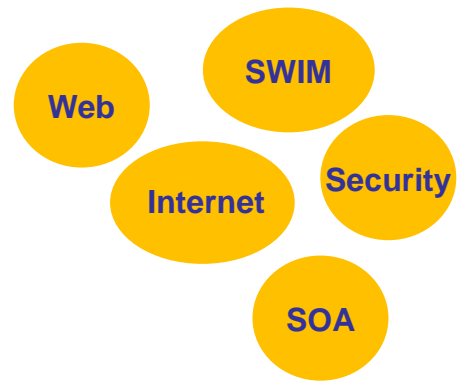
New NM System



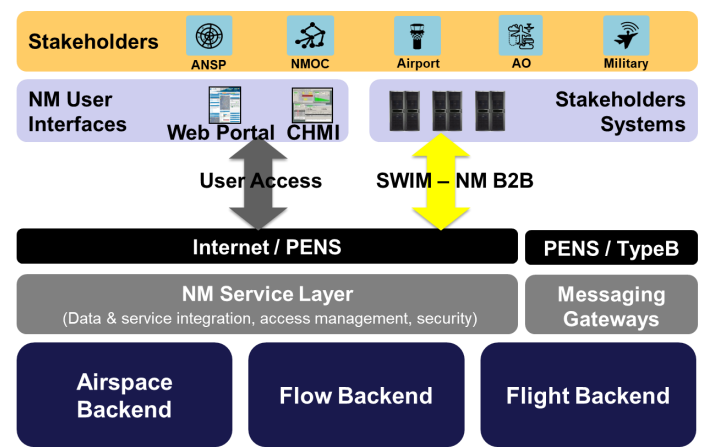
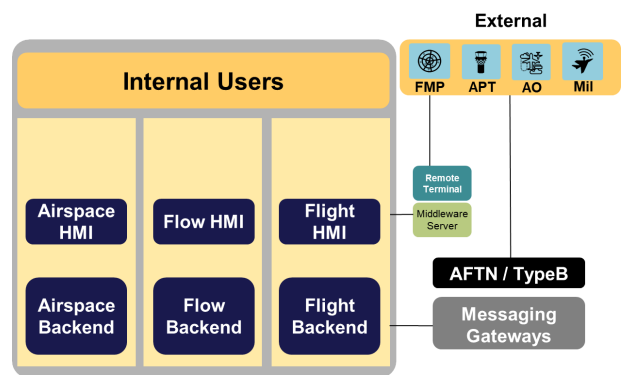
API Economy  
NM ecosystem

Transformation

# Phased Digital Transformation



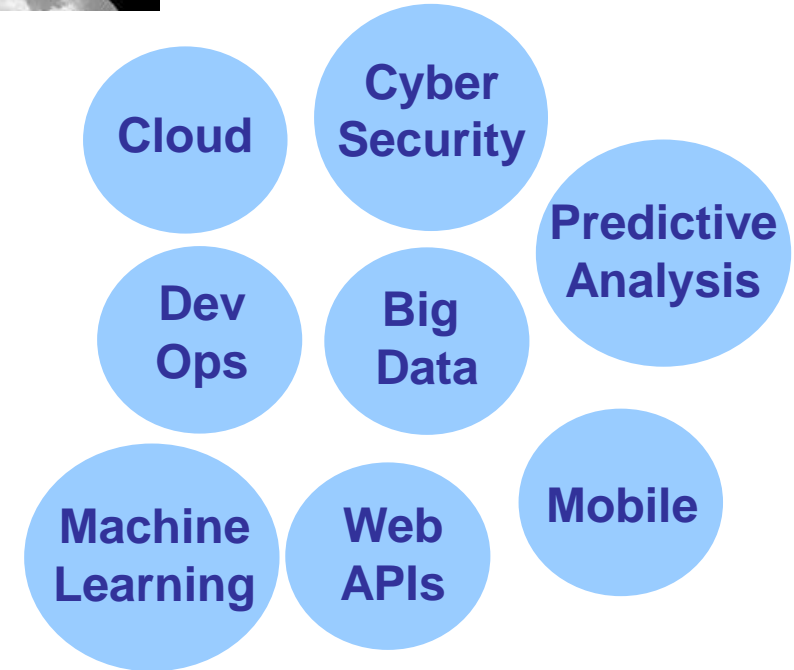
2000 – 2009



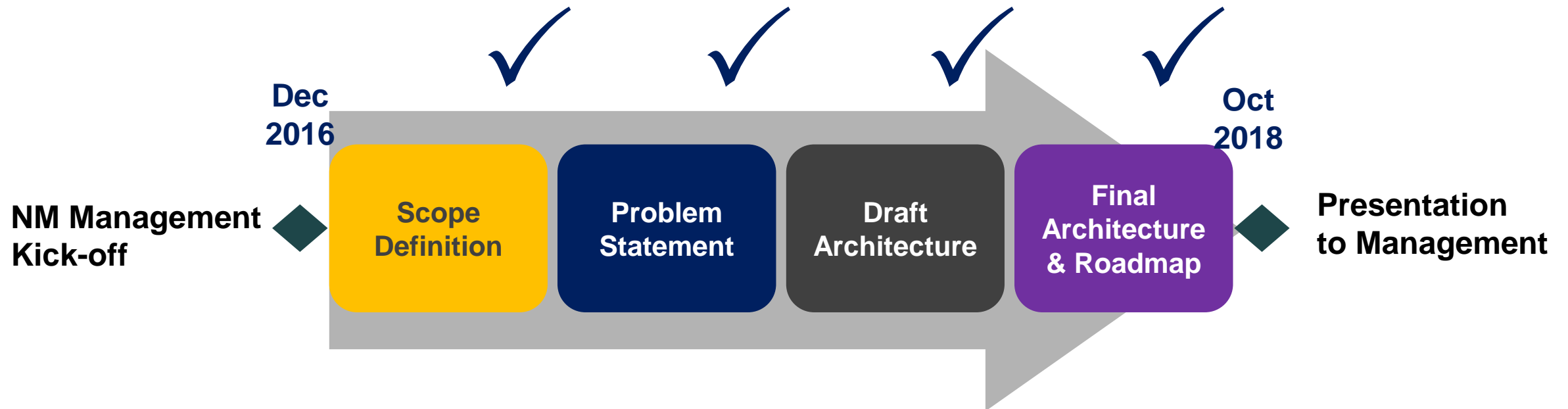
2020 – 2029



## New Architecture



# Future NM System Architecture Study



The Study addresses the modernisation of the NM systems, with added Business benefits, enabling the NM business evolutions over the coming 20 years; NM will continue to deliver the Business requirements in line with the NSP



# Thank you!