

# SOA Challenges in NGN-M & Use of IMS

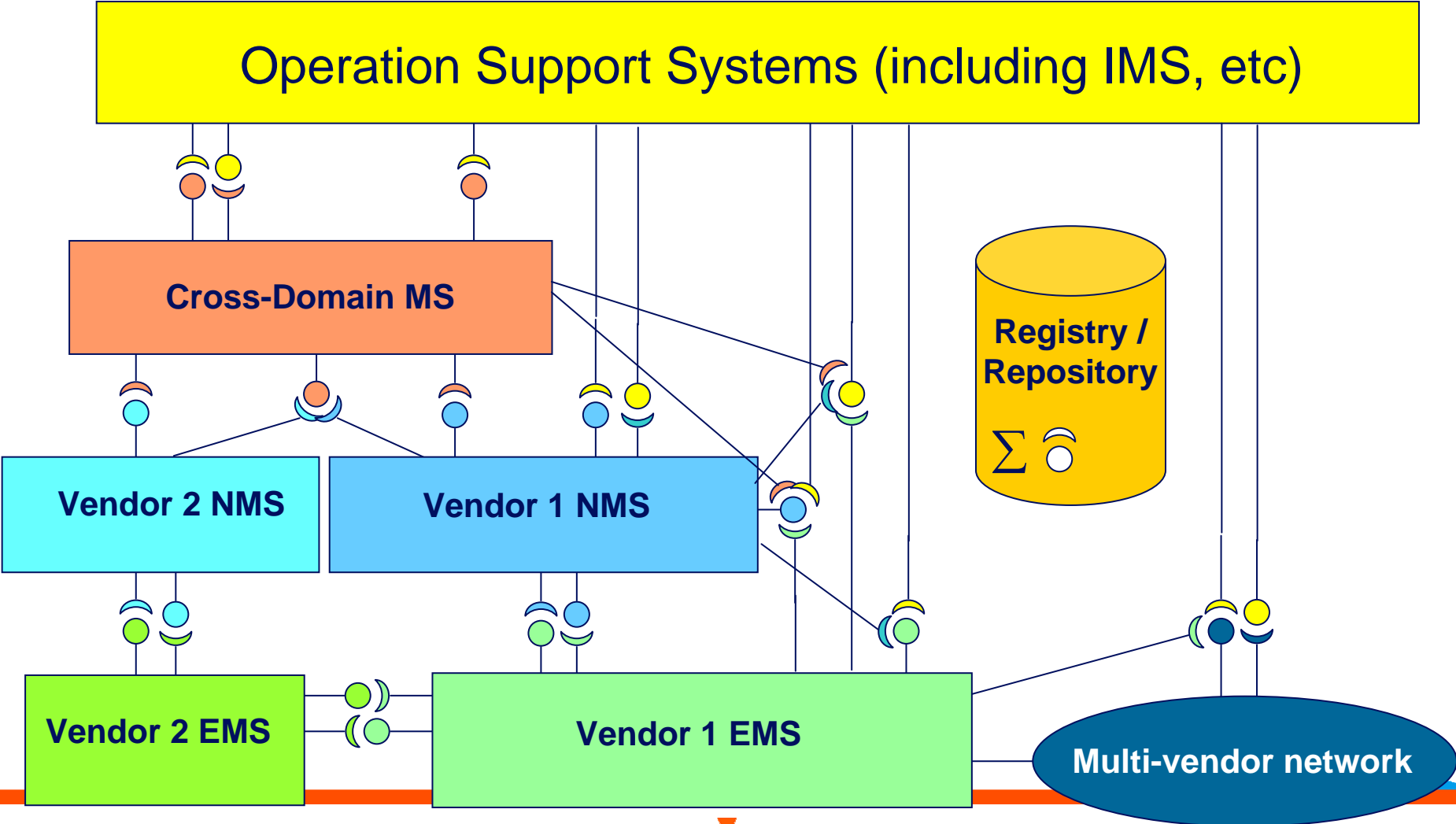
April 4<sup>th</sup>, 2006

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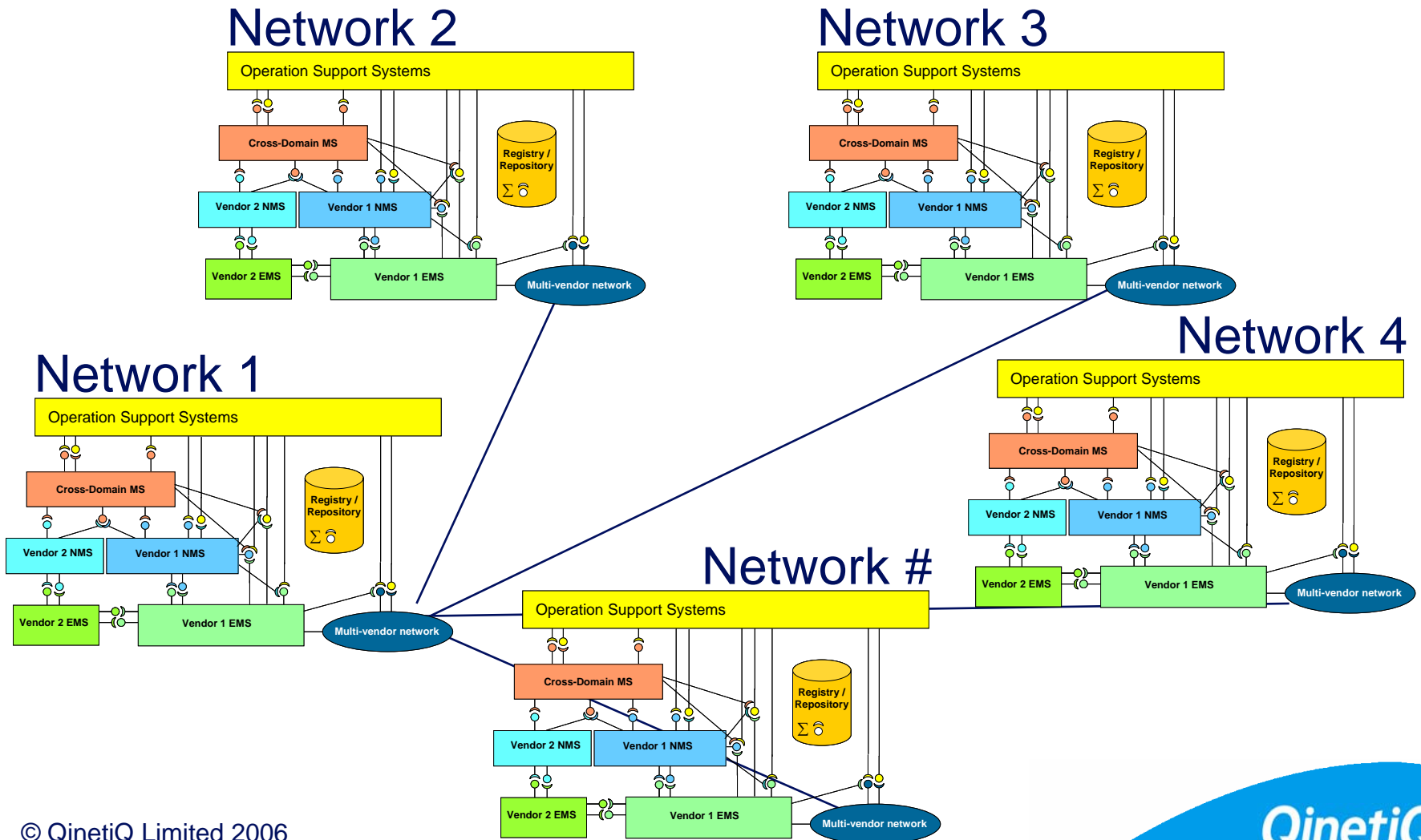
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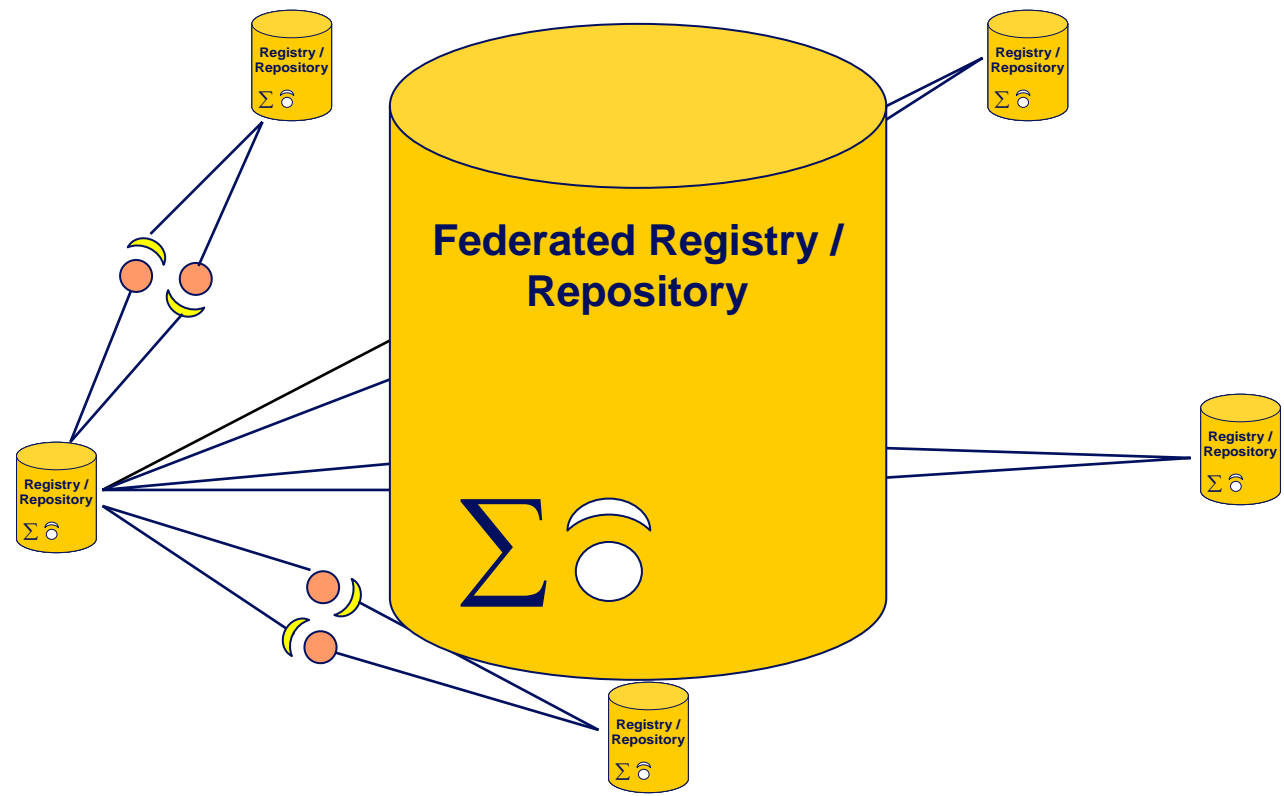
# Example NGN OSS 'Service Interface' based integration – SI or 'Lollipop' Architecture – Acknowledgement Alcatel



# End to End network or its Internet



# Federation or Roaming with Repositories for end to end management



# SOA Registry / Repository Assertions

- Must have or have access to:
  - single 'Service Information Model' (SIM) for each and the sum of all SI's, i.e. that information that is to be shared end to end to effect management of NGN, AND
  - Semantic ontology for all shared information
- Issues:
  - Is a single or consolidated information model realistic ?
  - What about its Semantic Ontology?
  - What does this say about SOA for NGN-Management?



# SOA Soft Challenges

- Cultural 'mindset'
  - Is SOA just re-badging of techniques?
  - Re-education of systems engineering
  - Re-education of Procurement for 'Services' not assets, do your procurement staff understand the implications?