



International Telecommunication Union

ITU-T Working Party 2/4, an overview

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WP 2/4 Work Areas

- Management principles and architecture (Q6/4)
- Requirements for business to business and customer to business management interfaces (Q7/4)
- Framework for the management of Next Generation Networks including the convergence of voice, data and multimedia for wire-line and wireless (Q8/4)
- Telecommunications management and OAM project (Q12/4)



Question 6/4

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- o Subject:
 - Management principles and architecture
- o Accomplishments:
 - Include M.3010, 3013, 3200, 3400 and 3050
- o Current Activities:
 - M.3010 Amendments
 - M3050 (eTOM) Update
 - M.3200 update to support Business Processes
 - M.3400 update to support Business Processes



Q.6/4 Accomplishments

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- o M.3000 - Overview of TMN Recommendations
- o M.3010 - Principles for a Telecommunications management network
- o M.3013 - Considerations for a telecommunications management network
- o M.3200 - TMN management services and telecommunications managed areas: overview
- o M.3400 - TMN management functions
- o M.3050 - Enhanced Telecommunications Operations Map



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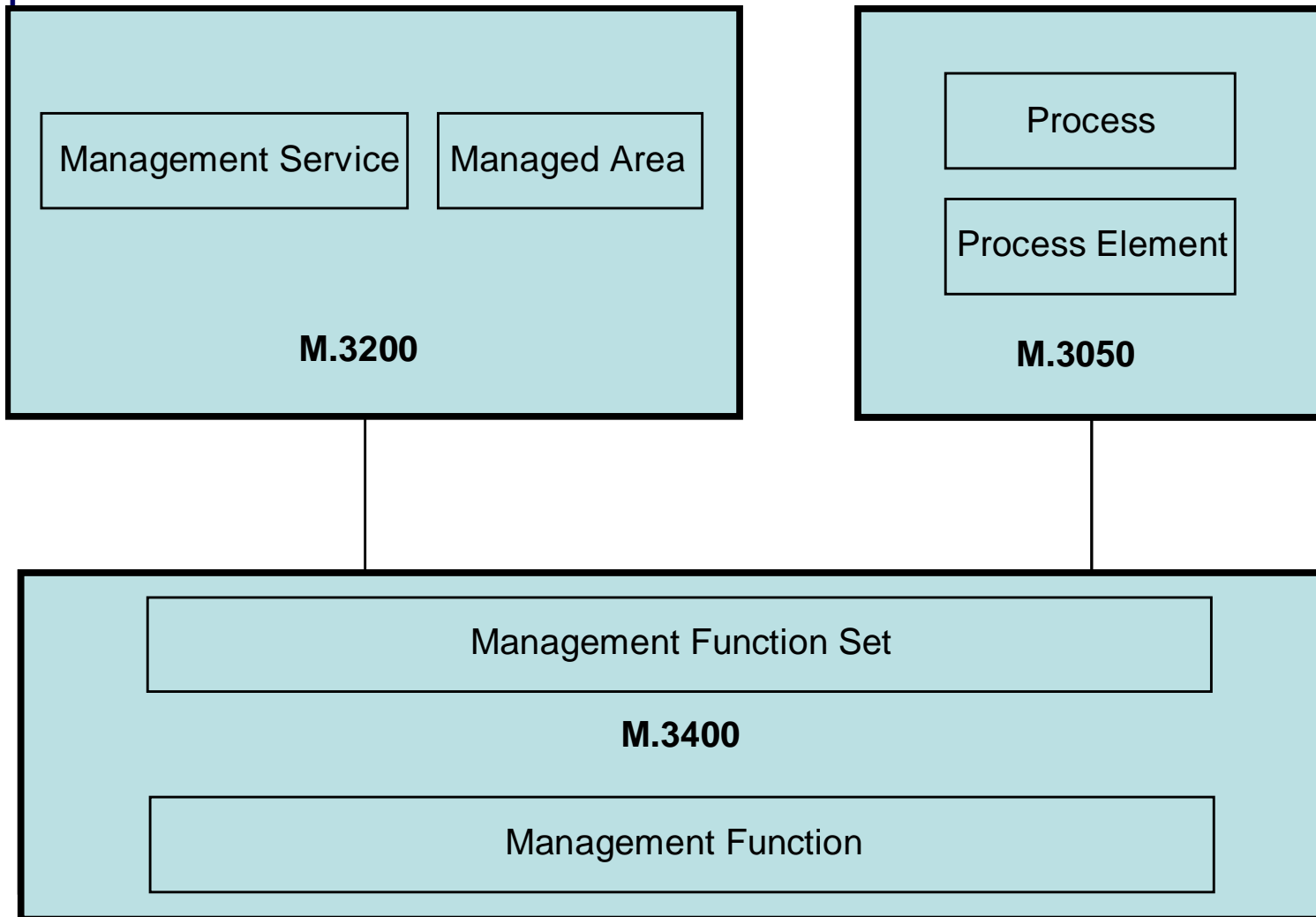
Q.6/4 Current Activities

- o M.3010 Amendments
- o M3050 (eTOM) Update - based on input from the TeleManagement Forum
- o M.3400 update to support Business Processes

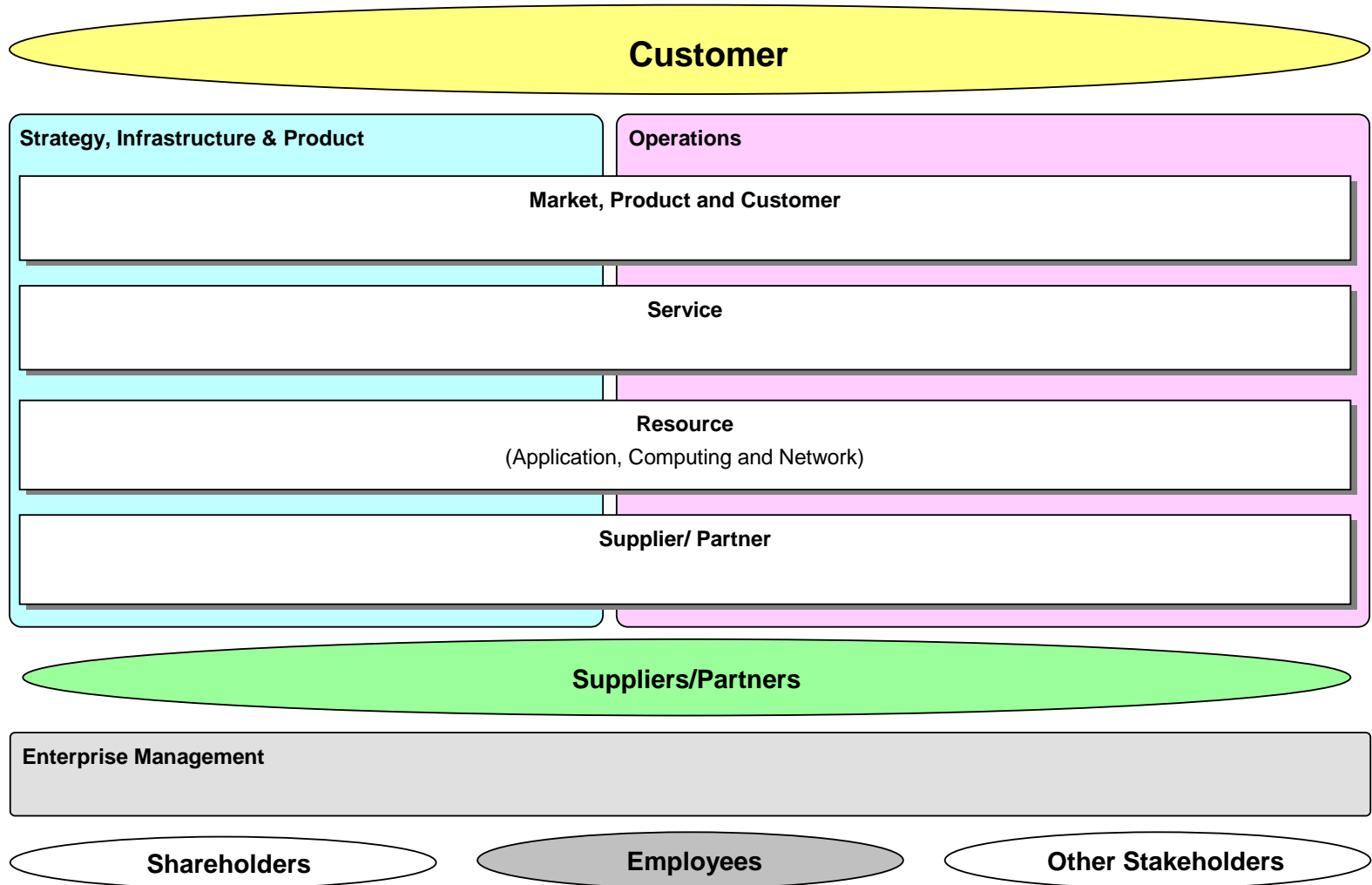


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Relationship between the Management Service/Function and Business Process approaches



M.3050 (eTOM) Level 0 processes





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Question 7/4

- o Subject: Requirements for business to business and customer to business management interfaces, lead question for tML.
- o Accomplishments:
 - M.3030, 3031, 3320, 3341, 3350.
- o Current Activities:
 - M. Updates to M.3031, M.3320, M.3341 and M.3350
 - M.gtd
 - M.GDSRT
 - M.NGN-TA



Q.7/4 Accomplishments

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- o M.3320 - Management requirements framework for the TMN X-Interface
- o M.3341 - Requirements for QoS/SLA management over the TMN X-interface for IP-based services
- o M.3350 - TMN service management requirements for information interchange across the TMN X-interface to support provisioning of Emergency Telecommunication Service (ETS)
- o M.3030 - Telecommunications Markup Language (tML) framework
- o M.3031 - Guidelines for Implementation Conformance Statement proformas for tML schemas



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Q.7/4 Current Activities

- o Updates to M.3031, M.3320, M.3341 and M.3350
- o M.gtdd - Global Telecommunications Data Dictionary
- o M.GDSRT - Guidelines for the Definition of SLA Representation Template
- o M.NGN-TA - Requirements for B2B and C2B interfaces to support Trouble Administration for Next Generation Networks



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Question 8/4

- o Subject: Framework for Management of Next Generation Networks, including the convergence of voice, data and multimedia for both wireline and wireless
- o Accomplishments:
 - M.3060/Y2401 - Principles for the Management of Next Generation Networks

Find, bind and execute paradigm

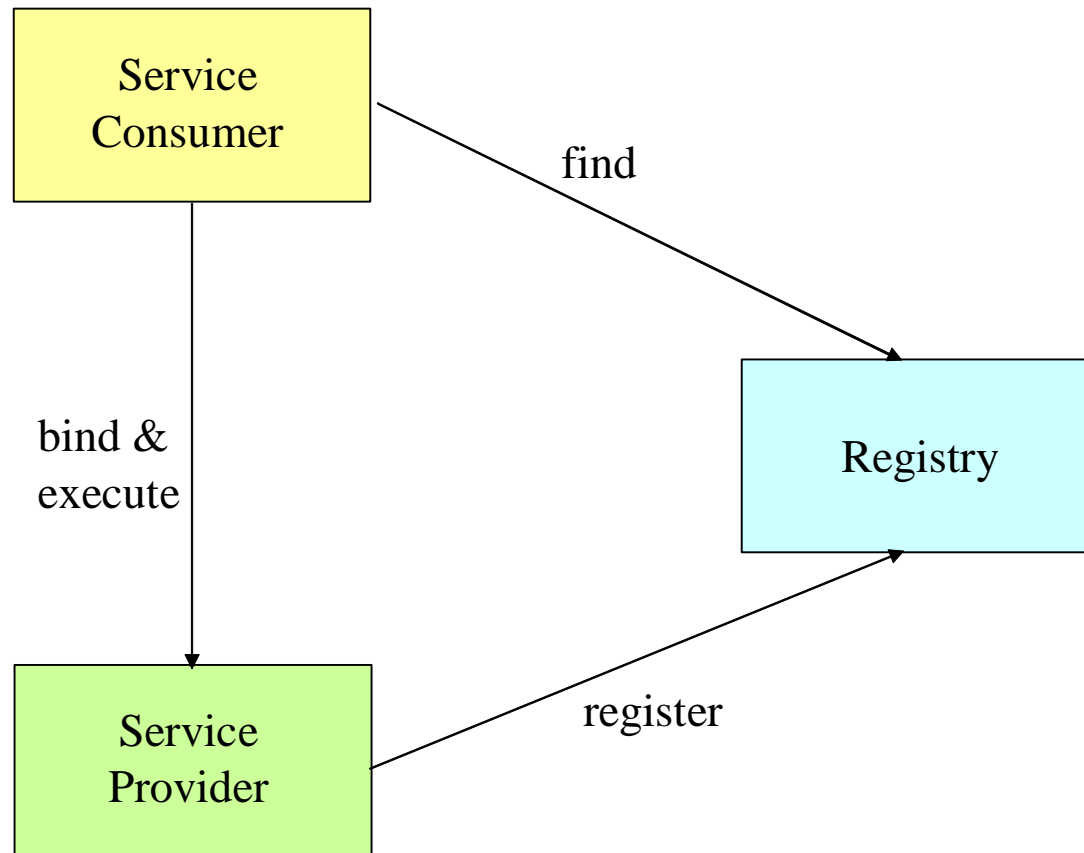
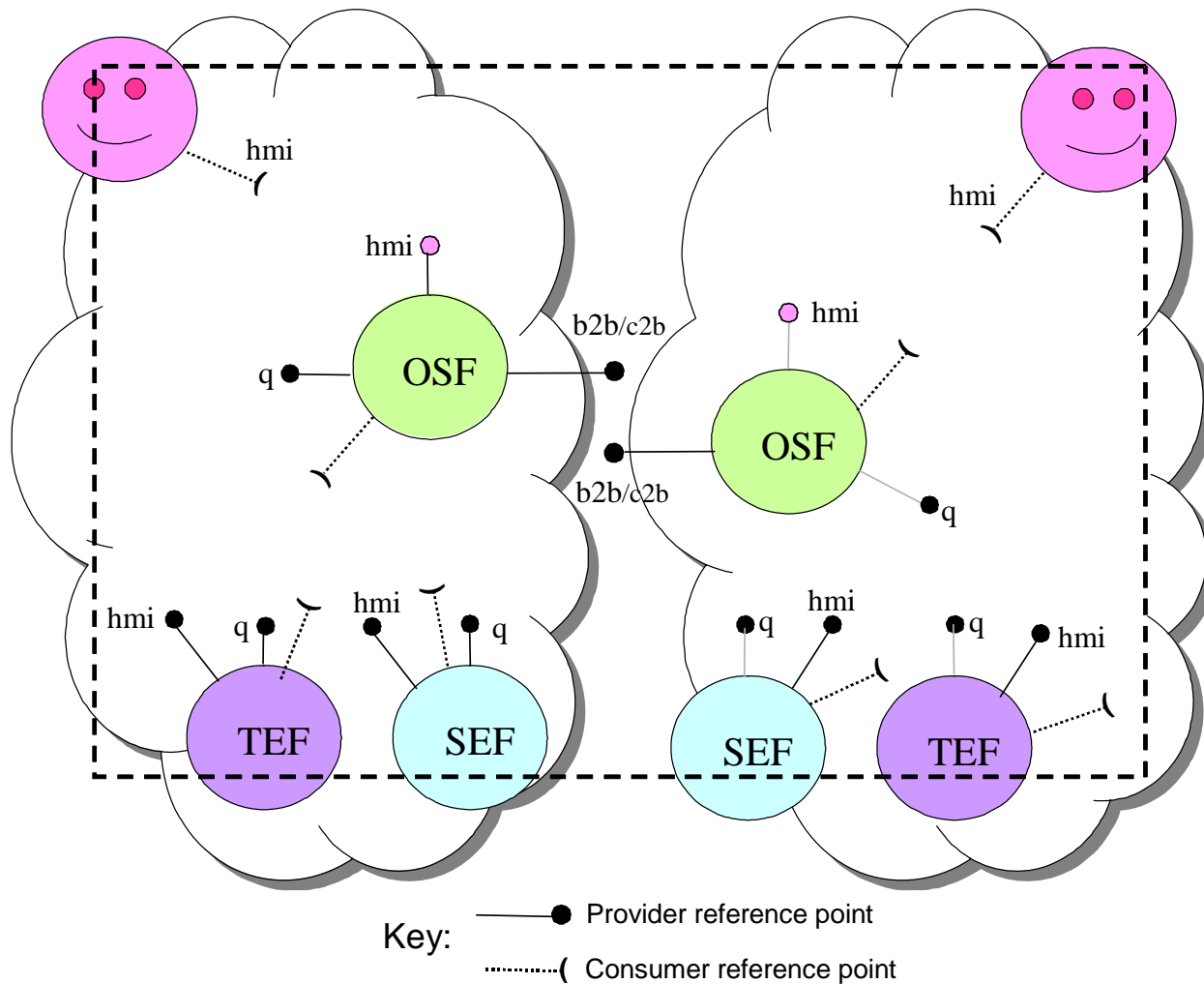


Illustration of reference points between function blocks





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Q.8/4 Current Activities

- o Extension of M.3060
- o Work plan for Management evolution for managing NGN



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Question 12/4

- o Subject: Telecommunications management and OAM project
- o Accomplishments: Telecoms Management and OAM Project Plan
 - Identifies published standards
 - Identifies work in progress



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Q.12/4 Current Activities

- o Monitoring Telecommunications Management and OAM activities in the ITU-T
- o Develop database of Telecommunications Management and OAM Activities/Standards



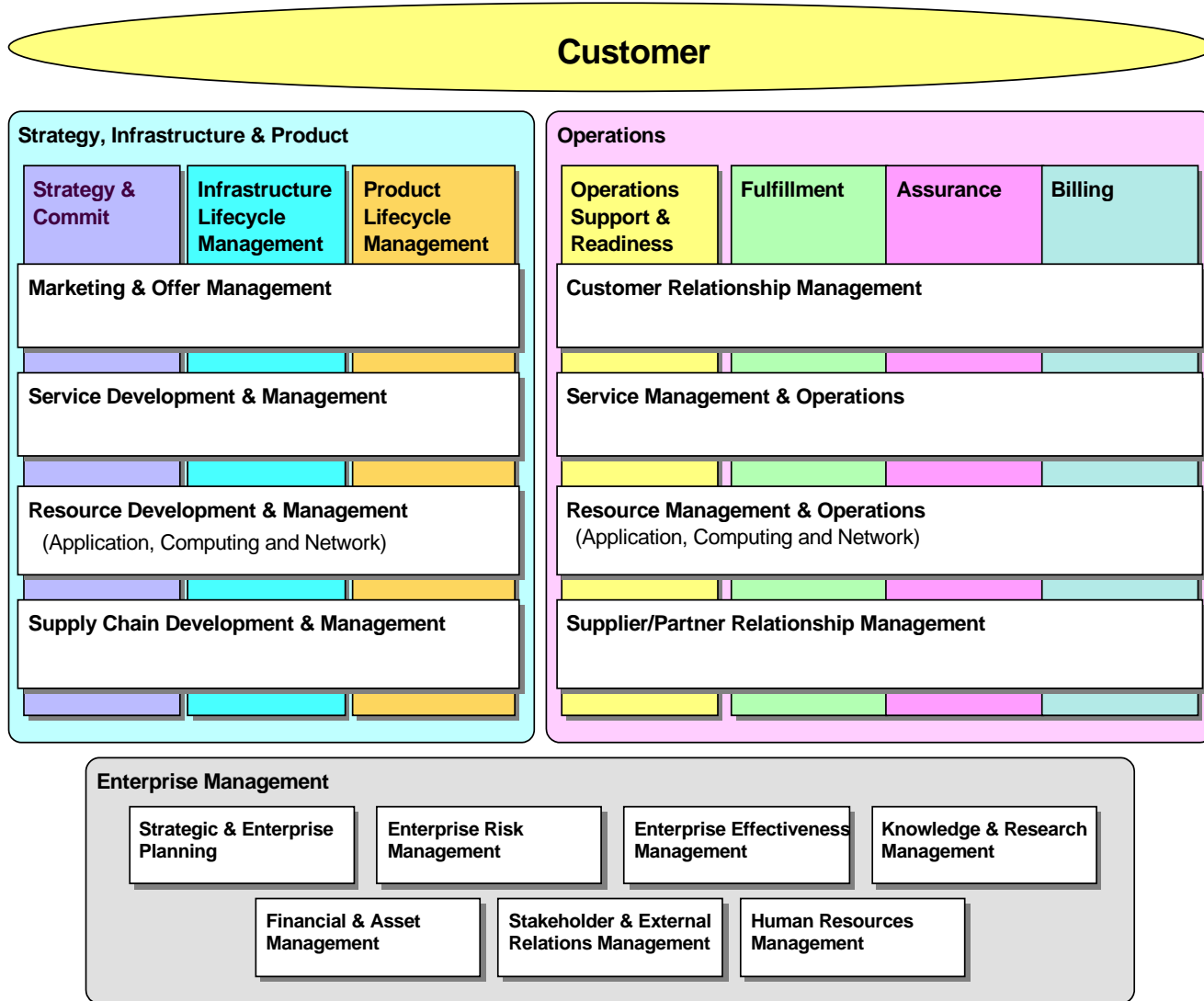
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Additional Slides

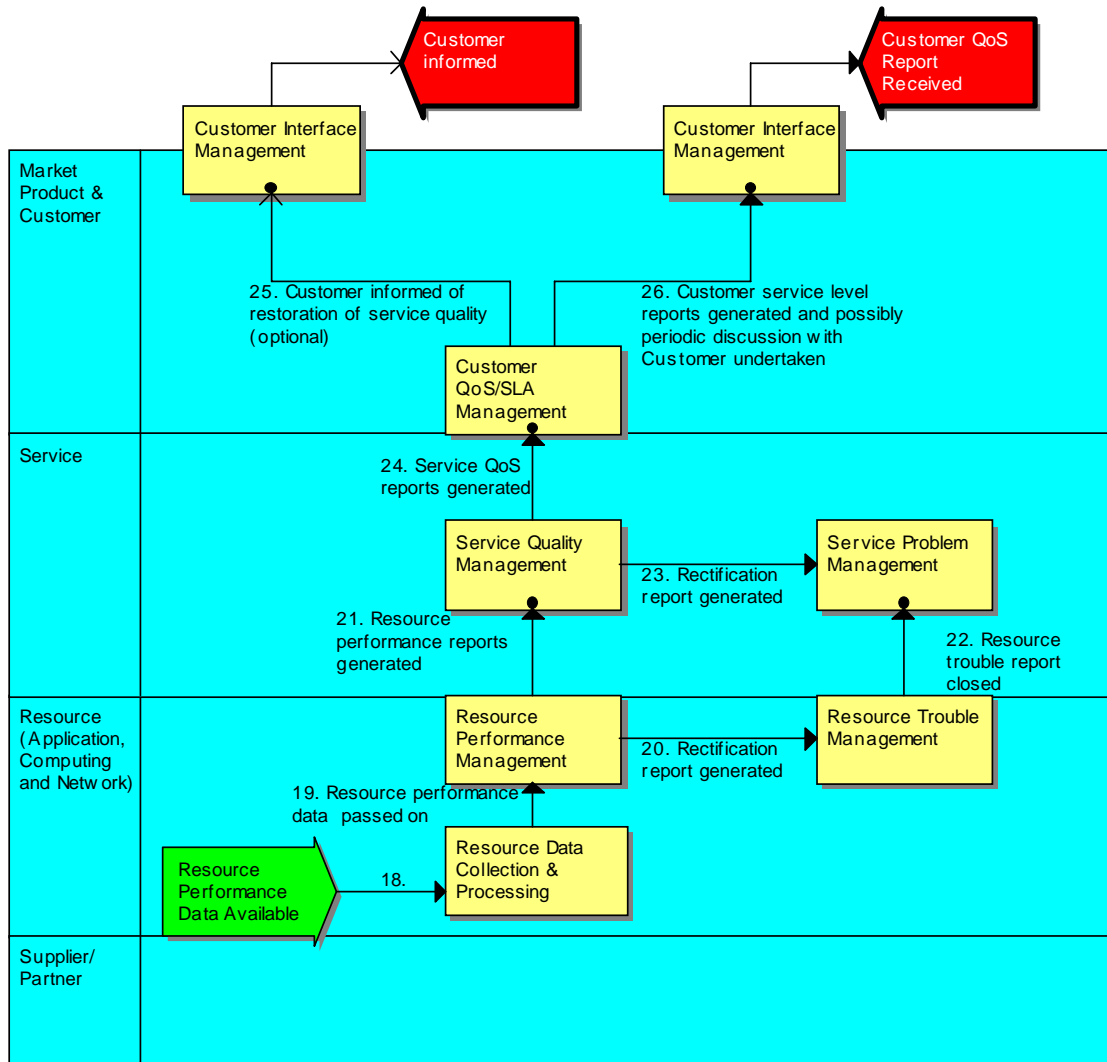


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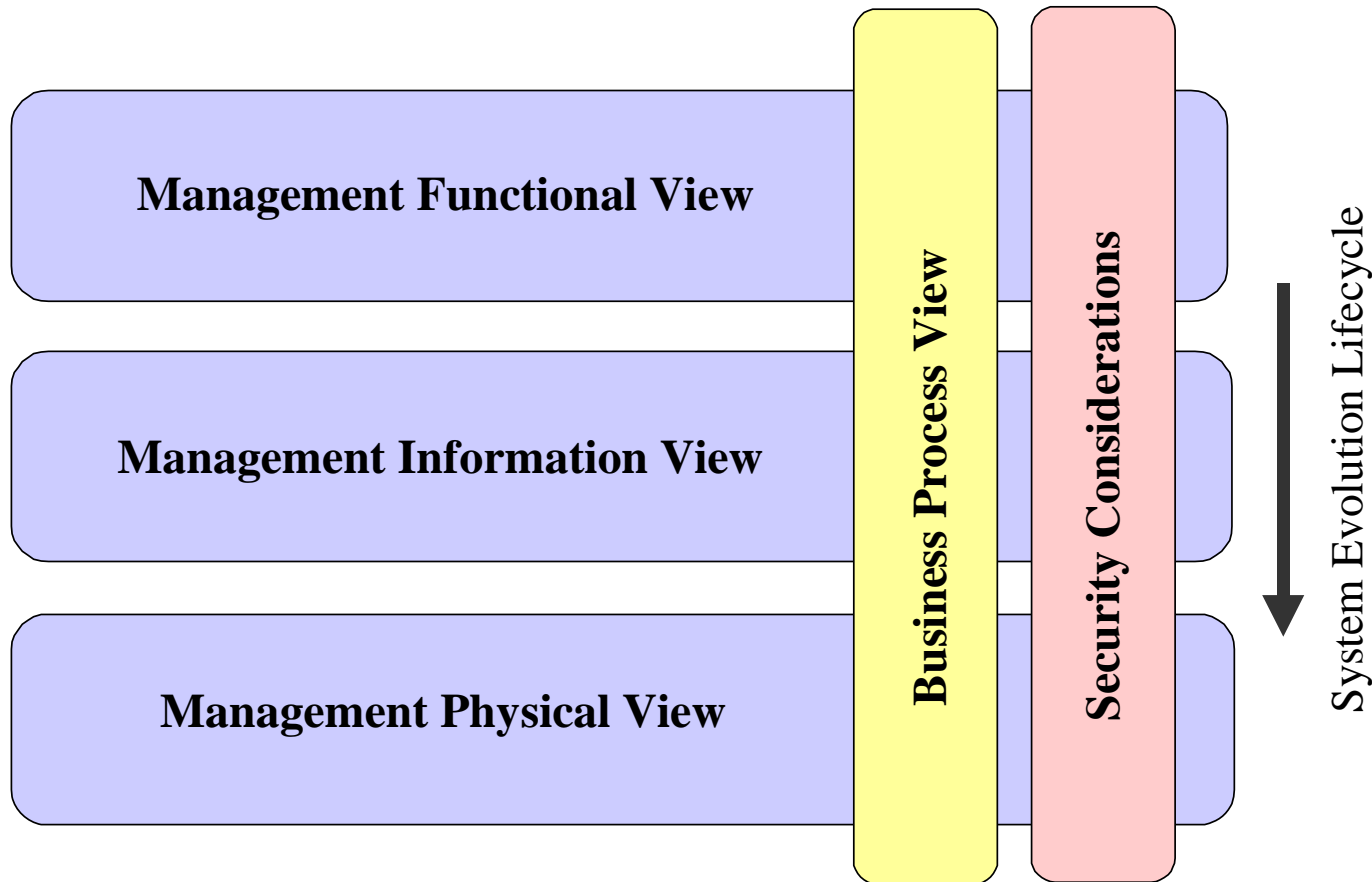
M.3050 (eTOM) Level 1 processes



M.3050 (eTOM) Normal Execution of SLA Service



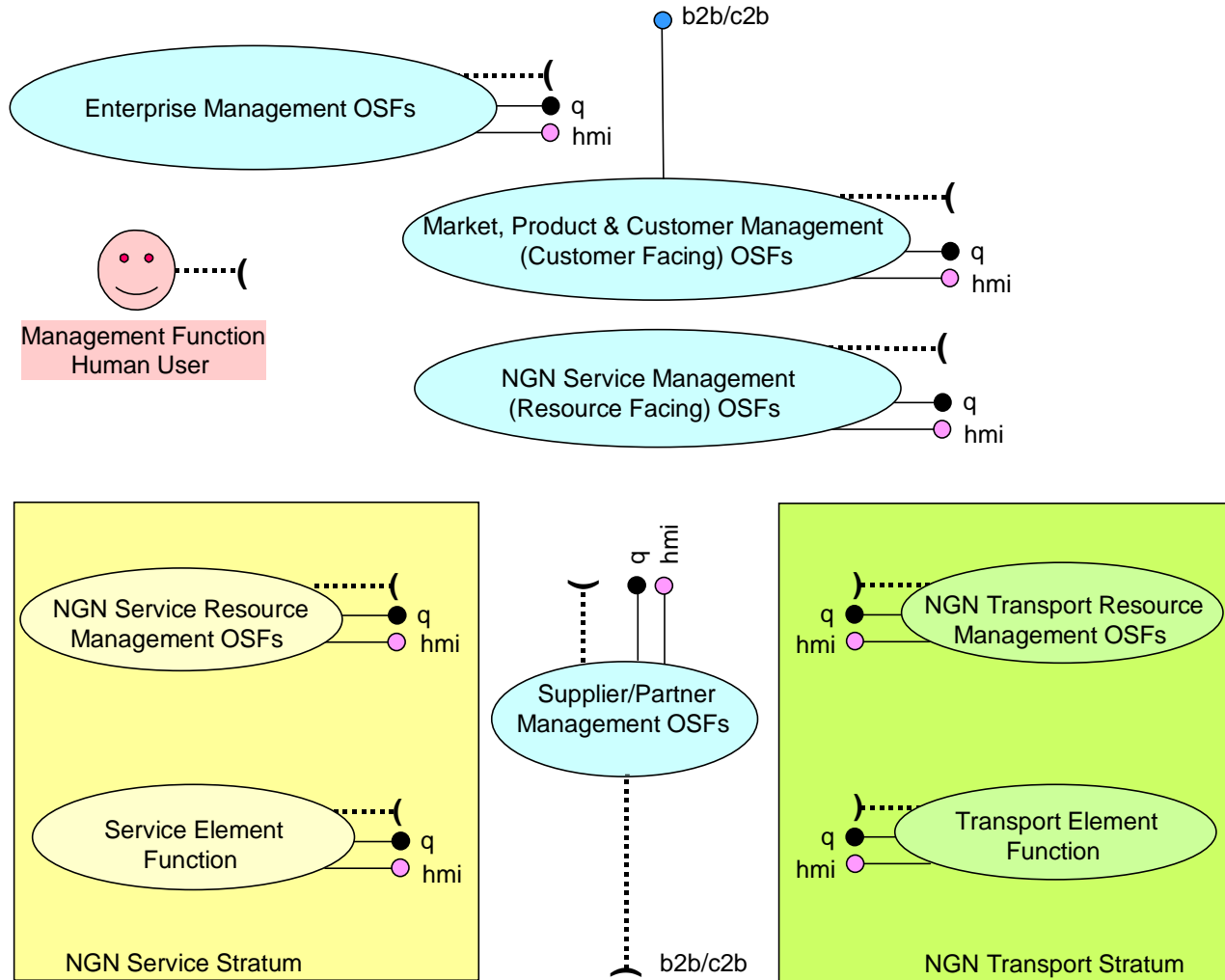
NGN Management Architecture





NGN management logical architecture

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Example of interconnected NGNM logical layered architectures

