

Gap analysis

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Interfaces for Virtual Security Functions Manager

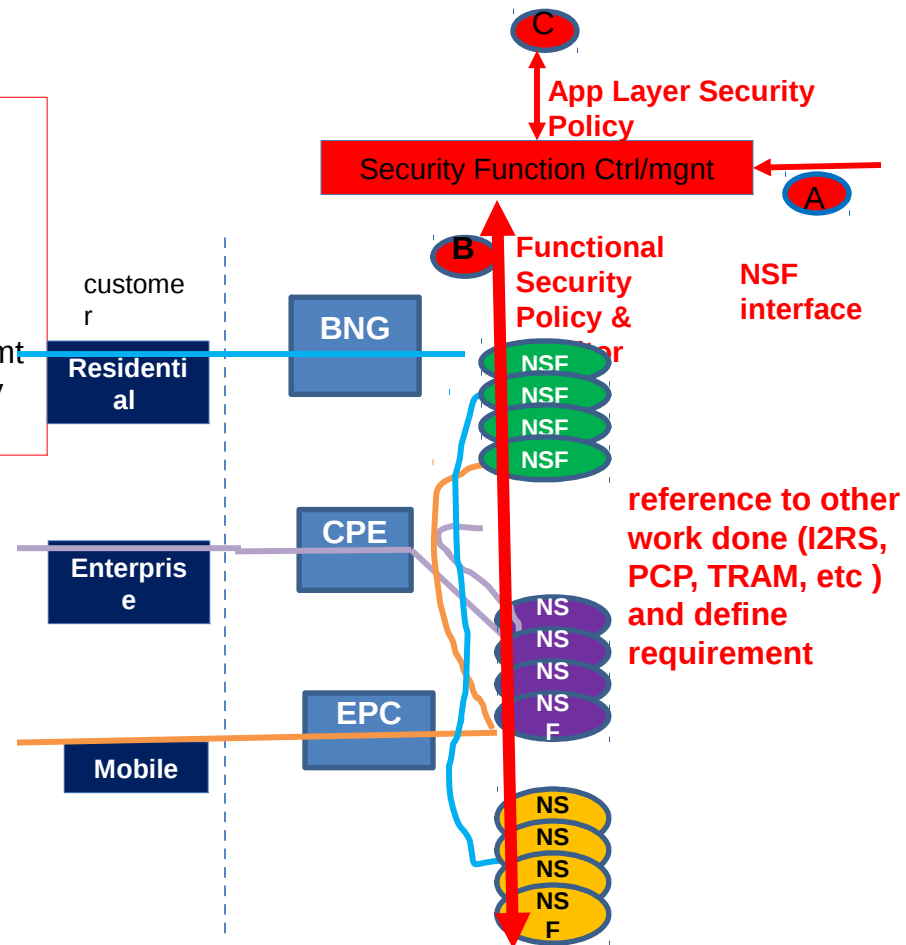
Interface: A

For Service Function Vendors to register their available service functions & instances, and a set of policies (or policy profiles) that can be dynamically set by 3rd party security controller or management system (e.g. Operator's OSS or management system).

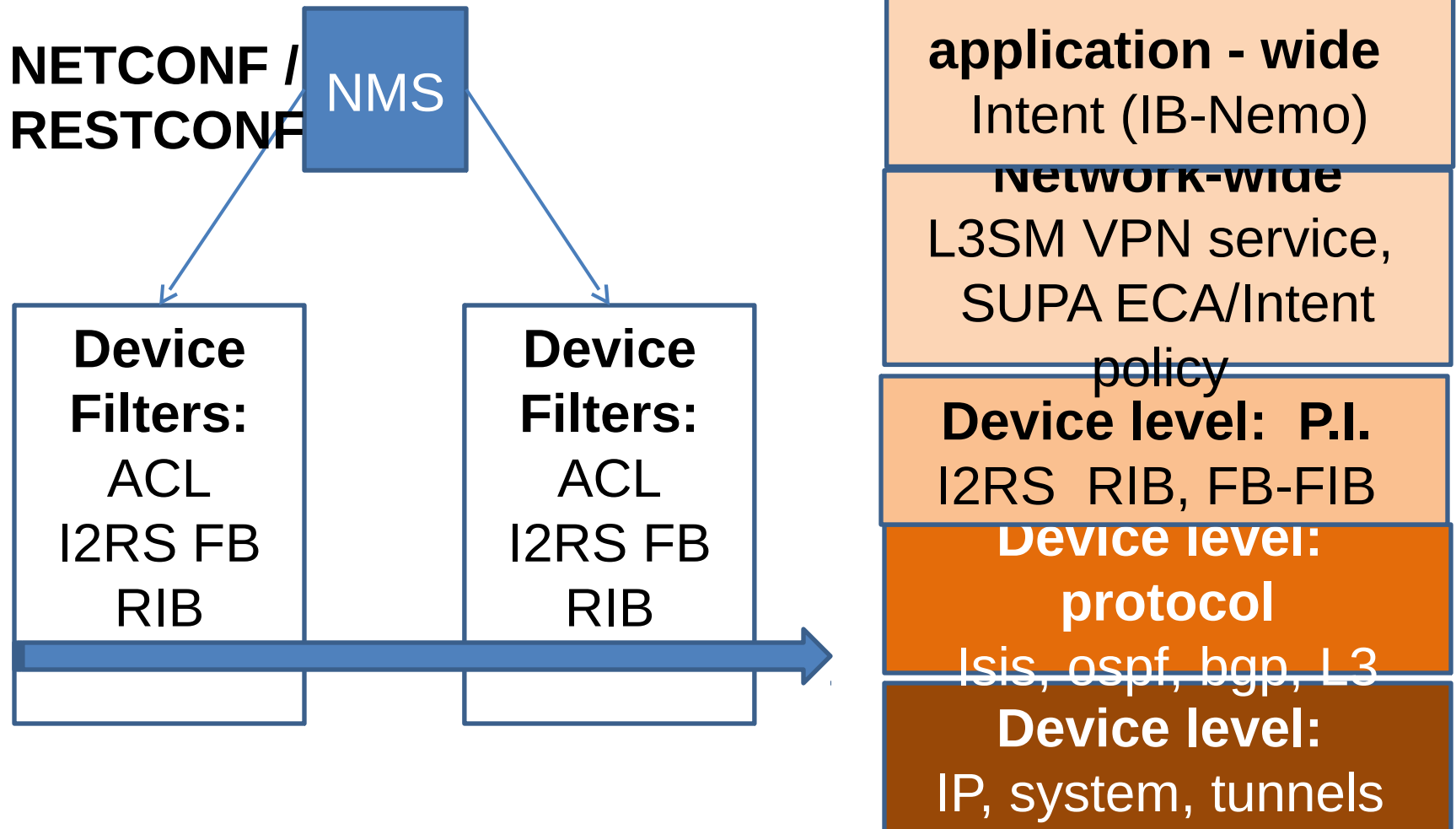
- common mechanism to inform the Network Operator Mgmt Sys what they offer and what attributes can be dynamically configurable or monitored

Interface: B & C

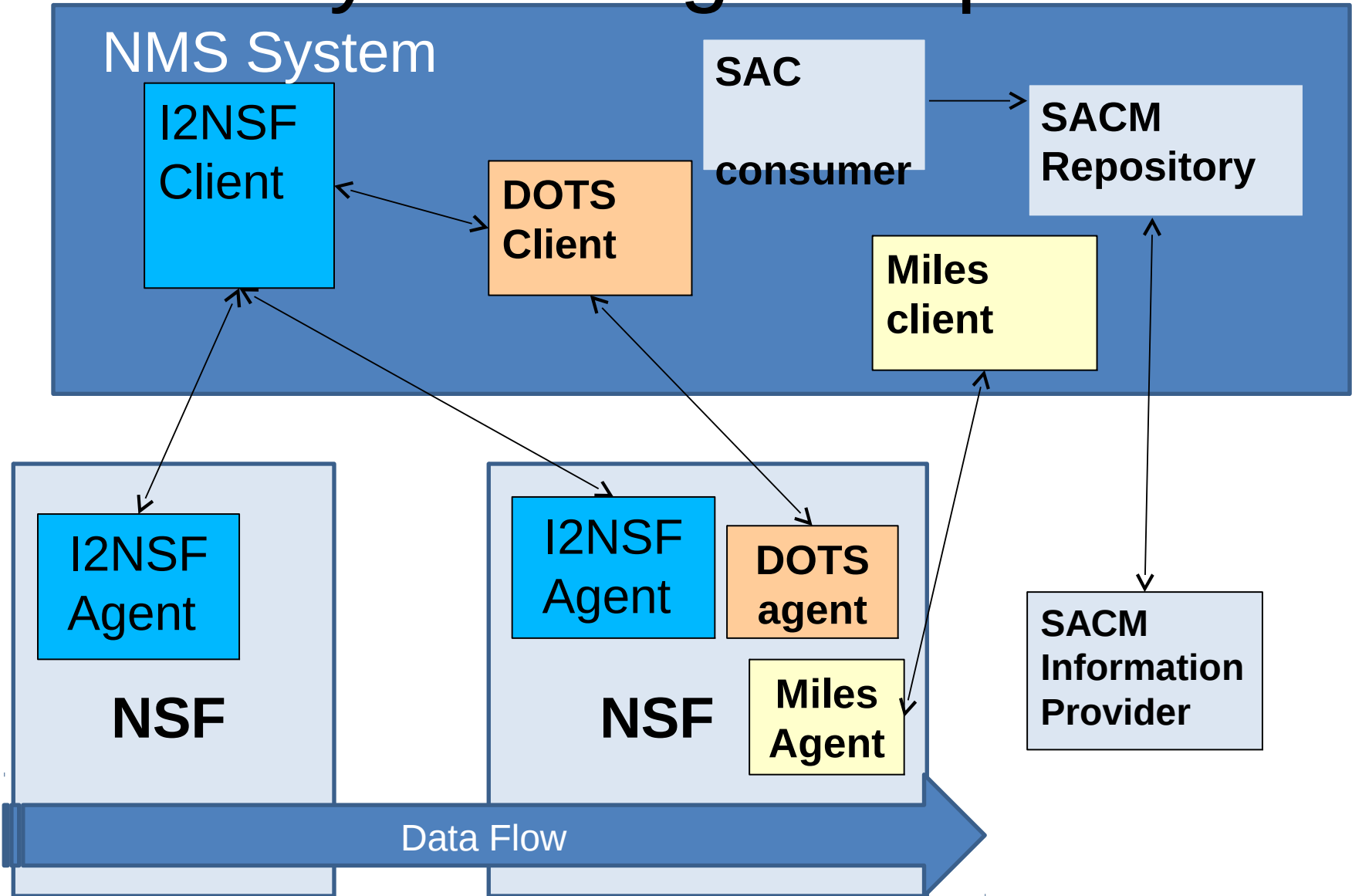
For Clients dynamically set the policies (or profiles) to the VNFs that are supported, monitor & verify the execution & performance.



Filters



Security Working Groups



Other Areas

- ETSI-NFV - EMS to VNF interface
 - Defines interface between EMS (element management system) and VNF
 - This matches I2NSF work
- OPNFV Moon project – An interface between EMS-VNF
 - Problems: NO dynamic control, only 1 definition, no room for existing vendor, no fine grain authentication, no allowance for central control
- CSA – 1 definition, 10 implementation agreements
 - All are concerned about the NMS-NSF interface