

Table : Mapping of Solutions to Key Issues

	Key issue 1	Key issue 2	Key issue 3	Key issue 4	Key issue 5	Key issue 6	Key issue 7	Key issue 8	Key issue 9	Key issue 10	Key issue 11
Solution 1		X									
Solution 2				X							
Solution 3							X				
Solution 4						X					
Solution 5							X				
Solution 6									X		
Solution 7			X								
Solution 8			X								
Solution 9										X	
Solution 10										X	
Solution 11					X						
...											

1. Key Issue #1: Network Slice Capability Management enhancements

2. Key Issue #2: Application Layer Exposed Network Slice Lifecycle Management

3. Key Issue #3: Discovery & Registration aspects for Management Service Exposure

4. Key Issue #4: Network Slice Fault Management Capability

5. Key Issue #5: Communication Service Management Exposure

6. Key Issue #6: Application Layer QoS verification Capability Enablement

7. Key Issue #7: Network Slice related Performance and Analytics Exposure

8. Key Issue #8: Support for Requirements Translation

9. Key Issue #9: Support for Trust Enablement

10. Key Issue #10: Support for Managing Trusted 3rd-Party owned Application(s)

11. Key Issue #11: Dynamic Slice SLA alignment

12. Key issue 12: Network Slice Capability Exposure in the Edge Data Network

13. Key issue 13: Delivery of the existing Network Slice Information to the Trusted 3rd-Party

14. Key issue 14: Network Slice creation to the 3rd-Party and UE

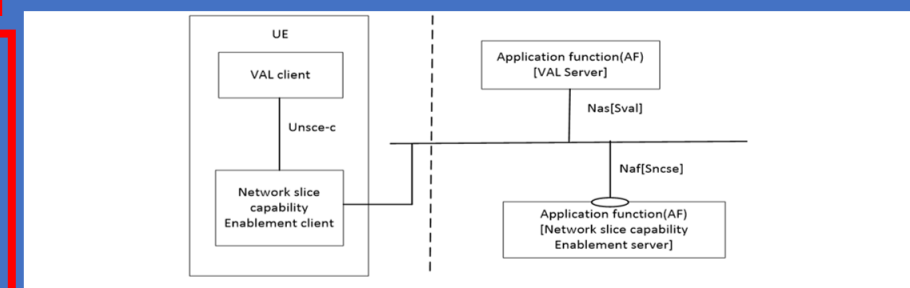


Figure : Architecture for network slice capability enablement – Service based representation

Mapping of Solutions to Key Issues

Table : Mapping of Solutions to Key Issues

Solutions	Key Issues					
	KI#1	KI#2	KI#3	KI#4	KI#5	KI#6
Solution #1: Additional S-NSSAI associated with the PDU session	X					
Solution #2: Slice Re-mapping Capabilities for Network Slice Service Continuity	X					
Solution #3: Support of Network Slice Service continuity using SSC mode 3	X					
Solution #4: PDU Session on compatible network slice	X					
Solution #5: PDU session handover to a target CN with an alternative S-NSSAI support	X					
Solution #6: Extended SoR VPLMN Slice Information transfer to UEs		X				
Solution #7: Enabling awareness of Network Slice availability in VPLMNs		X				
Solution #8: Gracefully network slice termination			X			
Solution #9: Support of a Network Slice with an AgS not matching existing TA boundaries			X			
Solution #10: Associating a validity timer with a temporary slice			X			
Solution #11: Enabling UEs to Request S-NSSAIs not uniformly available			X		X	
Solution #12: Solution for Centralized Counting for Multiple Service Areas and 5GS-EPS Interworking				X		
Solution #13: Hierarchical NSACF Architecture for Maximum UE/PDU Session number control				X		
Solution #14: Maximum Number Distribution in multiple NSACFs				X		
Solution #15: Service continuity in case of Network Slice instance overload	X					
Solution #16: UE assisted slice based VPLMN prioritization for Extended SoR		X				
Solution #17: Slice based VPLMN Selection Policy		X				
Solution #18: Sending rejected NSSAI to the UDM to assist the UDM to steer the UE to the PLMN supporting rejected NSSAI		X				
Solution #19: configuring the UE with network slice aware preferred PLMNs lists		X				
Solution #20: VPLMN Selection following existing SoR information		X				
Solution #21: Temporary slice based on URSP			X			
Solution #22: Enabling graceful slice termination with support of UE policies			X			
Solution #23: UE registration for conditional network slices			X		X	
Solution #24: On the handling temporary network slices			X			
Solution #25: Handling Rejected S-NSSAIs in some TAs of RA					X	
Solution #26: Multiple areas and resource partitioning			X		X	
Solution #27: Exception to the rejected NSSAI handling					X	
Solution #28: Support of network slices with TA granularity within a RA					X	
Solution #29: On handling S-NSSAIs not supported in certain TAs of a RA during a registration			X		X	
Solution #30: Rejected S-NSSAI with new cause value					X	
Solution #31: Enabling Flexible RAs with Slice Service Area					X	
Solution #32: Solution for Network Control for UE Slice Use	X					X
Solution #33: Slice-specific implicit deactivation timers						X
Solution #34: On-demand slices						X
Solution #35: Network Slice usage control by the network						X
Solution #36: UE provided reason for registration to S-NSSAI						X
Solution #37: Actual UE Activity-based Slice Admission Control						X
Solution #38: On configuring the UE with UE behaviour policies						X
Solution #39: Serving PLMN steering UE to preferred slice for selection of PDU session						X

1. Key Issue #1: Support of Network Slice Service continuity

2. Key Issue #2: Support of providing VPLMN Network Slice Information to a roaming UE

3. Key Issue #3: Network Slice Area of Service for Services not mapping to existing TAs boundaries and Temporary Network Slices

4. Key Issue #4: Support of NSAC involving Multi - Service Area (SA)

5. Key Issue #5: Improved support of RAs (Registration Areas by AMF) including TAs supporting Rejected S-NSSAIs

6. Key Issue #6: Improved Network Control of the UE behaviour

Slicing Enhancements in "5G Advanced"

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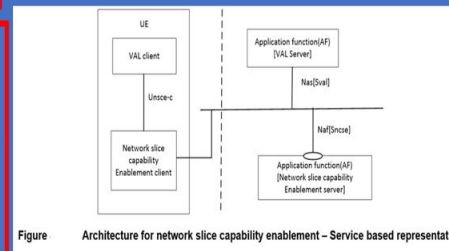


Figure Architecture for network slice capability enablement – Service based representation

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