

NFV ICS

VNF - SOL002

Interface	Resource Endpoint	Support	Version		
			2.4.1	2.6.1	2.7.1
VNF Configuration	/vnfconfig/api_versions		N/A		
	/vnfconfig/{apiMajorVersion}/api_versions		N/A		
	/vnfconfig/{apiMajorVersion}/configuration				
VNF Indicator	/vnfind/api_versions		N/A		
	/vnfind/{apiMajorVersion}/api_versions		N/A		
	/vnfind/{apiMajorVersion}/indicators				
	/vnfind/{apiMajorVersion}/indicators/\${vnfInstanceId}				
	/vnfind/{apiMajorVersion}/indicators/\${vnfInstanceId}/\${indicatorId}				
	/vnfind/{apiMajorVersion}/subscriptions				
	/vnfind/{apiMajorVersion}/subscriptions/{subscriptionId}				
	/<custom_notification_endpoint>				

Table 1 VNF – SOL002 ICS

VNFM - SOL002

Interface	Resource Endpoint	Support	Version		
			2.4.1	2.6.1	2.7.1
VNF Lifecycle Management	/vnflcm/api_versions		N/A		
	/vnflcm/{apiMajorVersion}/api_versions		N/A		
	/vnflcm/{apiMajorVersion}/vnf_instances				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/instantiate				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/scale				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/scale_to_level				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/operate				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/change_ext_conn				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/change_flavour				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/heal				

	/vnflcm/{apiMajorVersion}/vnf_instances/{vnfInstanceId}/terminate				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/{vnfLcmOpOcclId}				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/{vnfLcmOpOcclId}/cancel				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/{vnfLcmOpOcclId}/fail				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/{vnfLcmOpOcclId}/retry				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/{vnfLcmOpOcclId}/rollback				
	/vnflcm/{apiMajorVersion}/subscriptions				
	/vnflcm/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				
VNF Fault Management	/vnffm/api_versions		N/A		
	/vnffm/{apiMajorVersion}/api_versions		N/A		
	/vnffm/{apiMajorVersion}/alarms				
	/vnffm/{apiMajorVersion}/alarms/{alarmId}				
	/vnffm/{apiMajorVersion}/alarms/{alarmId}/escalate				
	/vnffm/{apiMajorVersion}/subscriptions				
	/vnffm/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				
VNF Performance Management	/vnfpm/api_versions		N/A		
	/vnfpm/{apiMajorVersion}/api_versions		N/A		
	/vnfpm/{apiMajorVersion}/pm_jobs				
	/vnfpm/{apiMajorVersion}/pm_jobs/{pmJobId}				
	/vnfpm/{apiMajorVersion}/thresholds				
	/vnfpm/{apiMajorVersion}/thresholds/{thresholdId}				
	/vnfpm/{apiMajorVersion}/pm_jobs/{pmJobId}/reports/{reportId}				
	/vnfpm/{apiMajorVersion}/subscriptions				N/A
	/vnfpm/{apiMajorVersion}/subscriptions/{subscriptionId}				N/A
	<custom_notification_endpoint>				

Table 2 VNFM – SOL002 ICS

VNFM - SOL003

Interface	Resource Endpoint	Support	Version		
			2.4.1	2.6.1	2.7.1
VNF Lifecycle Management	/vnflcm/api_versions		N/A		
	/vnflcm/{apiMajorVersion}/api_versions		N/A		
	/vnflcm/{apiMajorVersion}/vnf_instances				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/instantiate				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/scale				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/scale_to_level				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/operate				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/change_ext_conn				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/change_flavour				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/heal				
	/vnflcm/{apiMajorVersion}/vnf_instances/\${vnfInstanceId}/terminate				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/\${vnfLcmOpOcclId}				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/\${vnfLcmOpOcclId}/cancel				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/\${vnfLcmOpOcclId}/fail				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/\${vnfLcmOpOcclId}/retry				
	/vnflcm/{apiMajorVersion}/vnf_lcm_op_occs/\${vnfLcmOpOcclId}/rollback				
	/vnflcm/{apiMajorVersion}/subscriptions				
	/vnflcm/{apiMajorVersion}/subscriptions/\${subscriptionId}				
<custom_notification_endpoint>					
VNF Fault Management	/vnffm/api_versions		N/A		
	/vnffm/{apiMajorVersion}/api_versions		N/A		
	/vnffm/{apiMajorVersion}/alarms				
	/vnffm/{apiMajorVersion}/alarms/\${alarmId}				
	/vnffm/{apiMajorVersion}/subscriptions				
	/vnffm/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				
VNF Performance Management	/vnfpm/api_versions		N/A		
	/vnfpm/{apiMajorVersion}/api_versions		N/A		

	/vnfpm/{apiMajorVersion}/pm_jobs				
	/vnfpm/{apiMajorVersion}/pm_jobs/{pmJobId}				
	/vnfpm/{apiMajorVersion}/thresholds				
	/vnfpm/{apiMajorVersion}/thresholds/{thresholdId}				
	/vnfpm/{apiMajorVersion}/pm_jobs/{pmJobId}/reports/{reportId}				
	/vnfpm/{apiMajorVersion}/subscriptions				N/A
	/vnfpm/{apiMajorVersion}/subscriptions/{subscriptionId}				N/A
	<custom_notification_endpoint>				
VNF Indicator	/vnfind/api_versions		N/A		
	/vnfind/{apiMajorVersion}/api_versions		N/A		
	/vnfind/{apiMajorVersion}/indicators				
	/vnfind/{apiMajorVersion}/indicators/{vnfInstanceId}				
	/vnfind/{apiMajorVersion}/indicators/{vnfInstanceId}/{indicatorId}				
	/vnfind/{apiMajorVersion}/subscriptions				
	/vnfind/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				

Table 3 VNFM – SOL003 ICS

NFVO - SOL003

Interface	Resource Endpoint	Support	Version		
			2.4.1	2.6.1	2.7.1
VNF Package Management	/vnfpkgm/api_versions		N/A		
	/vnfpkgm/{apiMajorVersion}/api_versions		N/A		
	/vnfpkgm/{apiMajorVersion}/onboarded_vnf_packages		N/A		
	/vnfpkgm/{apiMajorVersion}/vnf_packages				
	/vnfpkgm/{apiMajorVersion}/onboarded_vnf_packages/{vnfPkgId}		N/A		
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}				
	/vnfpkgm/{apiMajorVersion}/onboarded_vnf_packages/{vnfPkgId}/vnfd		N/A		
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/vnfd				
	/vnfpkgm/{apiMajorVersion}/onboarded_vnf_packages/{vnfPkgId}/manifest		N/A	N/A	
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/manifest				
	/vnfpkgm/{apiMajorVersion}/onboarded_vnf_packages/{vnfPkgId}/package_content		N/A		
/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/package_content					

	/vnfpkgm/{apiMajorVersion}/onboarded_vnf_packages/{vnfpkgId}/artifacts		N/A	N/A	
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfpkgId}/artifacts			N/A	
	/vnfpkgm/{apiMajorVersion}/onboarded_vnf_packages/{vnfpkgId}/artifacts/{artifactPath}		N/A		
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfpkgId}/artifacts/{artifactPath}				
	/vnfpkgm/{apiMajorVersion}/subscriptions				
	/vnfpkgm/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				
VNF Lifecycle Operation Granting	/grant/api_versions		N/A		
	/grant/{apiMajorVersion}/api_versions		N/A		
	/grant/{apiMajorVersion}/grants				
	/grant/{apiMajorVersion}/grants/{grantId}				
Virtualised Resources Quota Available Notification	/vrqan/api_versions		N/A		
	/vrqan/{apiMajorVersion}/api_versions		N/A		
	/vrqan/{apiMajorVersion}/subscriptions				
	/vrqan/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				

Table 4 NFVO – SOL003 ICS

NFVO - SOL005

Interface	Resource Endpoint	Support	Version		
			2.4.1	2.6.1	2.7.1
NSD Management	/nsd/api_versions		N/A		
	/nsd/{apiMajorVersion}/api_versions		N/A		
	/nsd/{apiMajorVersion}/ns_descriptors				
	/nsd/{apiMajorVersion}/ns_descriptors/{nsdInfold}				
	/nsd/{apiMajorVersion}/ns_descriptors/{nsdInfold}/nsd_content				
	/nsd/{apiMajorVersion}/ns_descriptors/{nsdInfold}/nsd		N/A	N/A	
	/nsd/{apiMajorVersion}/ns_descriptors/{nsdInfold}/manifest		N/A	N/A	
	/nsd/{apiMajorVersion}/pnf_descriptors				
	/nsd/{apiMajorVersion}/pnf_descriptors/{pnfdInfold}				
	/nsd/{apiMajorVersion}/pnf_descriptors/{pnfdInfold}/pnfd_content				
	/nsd/{apiMajorVersion}/pnf_descriptors/{pnfdInfold}/pnfd		N/A	N/A	
	/nsd/{apiMajorVersion}/pnf_descriptors/{pnfdInfold}/manifest		N/A	N/A	

	/nsd/{apiMajorVersion}/subscriptions				
	/nsd/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				
NS Performance Management	/nspm/api_versions		N/A		
	/nspm/{apiMajorVersion}/api_versions		N/A		
	/nspm/{apiMajorVersion}/pm_jobs				
	/nspm/{apiMajorVersion}/pm_jobs/{pmJobId}				
	/nspm/{apiMajorVersion}/pm_jobs/{pmJobId}/reports/{reportId}				
	/nspm/{apiMajorVersion}/thresholds				
	/nspm/{apiMajorVersion}/thresholds/{thresholdId}				
	/nspm/{apiMajorVersion}/subscriptions				N/A
	/nspm/{apiMajorVersion}/subscriptions/{subscriptionId}				N/A
	<custom_notification_endpoint>				
VNF Package Management	/vnfpkgm/api_versions		N/A		
	/vnfpkgm/{apiMajorVersion}/api_versions		N/A		
	/vnfpkgm/{apiMajorVersion}/vnf_packages				
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}				
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/vnfd				
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/ext_artifacts_access		N/A	N/A	
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/manifest		N/A	N/A	
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/package_content				
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/artifacts		N/A	N/A	
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/package_content/upload_from_uri				
	/vnfpkgm/{apiMajorVersion}/vnf_packages/{vnfPkgId}/artifacts/{artifactPath}				
	/vnfpkgm/{apiMajorVersion}/subscriptions				
	/vnfpkgm/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				
NS Fault Management	/nsfm/api_versions		N/A		
	/nsfm/{apiMajorVersion}/api_versions		N/A		
	/nsfm/{apiMajorVersion}/alarms				
	/nsfm/{apiMajorVersion}/alarms/{alarmId}				
	/nsfm/{apiMajorVersion}/subscriptions				
	/nsfm/{apiMajorVersion}/subscriptions/{subscriptionId}				
	<custom_notification_endpoint>				

NS Lifecycle Management	/nslcm/api_versions		N/A		
	/nslcm/{apiMajorVersion}/api_versions		N/A		
	/nslcm/{apiMajorVersion}/ns_instances				
	/nslcm/{apiMajorVersion}/ns_instances/{nsInstanceId}				
	/nslcm/{apiMajorVersion}/ns_instances/{nsInstanceId}/instantiate				
	/nslcm/{apiMajorVersion}/ns_instances/{nsInstanceId}/scale				
	/nslcm/{apiMajorVersion}/ns_instances/{nsInstanceId}/update				
	/nslcm/{apiMajorVersion}/ns_instances/{nsInstanceId}/heal				
	/nslcm/{apiMajorVersion}/ns_instances/{nsInstanceId}/terminate				
	/nslcm/{apiMajorVersion}/ns_lcm_op_occs				
	/nslcm/{apiMajorVersion}/ns_lcm_op_occs/{nsLcmOpOcclId}				
	/nslcm/{apiMajorVersion}/ns_lcm_op_occs/{nsLcmOpOcclId}/retry				
	/nslcm/{apiMajorVersion}/ns_lcm_op_occs/{nsLcmOpOcclId}/rollback				
	/nslcm/{apiMajorVersion}/ns_lcm_op_occs/{nsLcmOpOcclId}/continue				
	/nslcm/{apiMajorVersion}/ns_lcm_op_occs/{nsLcmOpOcclId}/fail				
	/nslcm/{apiMajorVersion}/ns_lcm_op_occs/{nsLcmOpOcclId}/cancel				
	/nslcm/{apiMajorVersion}/subscriptions				
	/nslcm/{apiMajorVersion}/subscriptions/{subscriptionId}				
<custom_notification_endpoint>					

Table 5 NFVO – SOL005 ICS