

Dublin Release Requirements

The page is intended to summarize all the requirements for Dublin Release.

These requirements have been prioritized by the TSC to realistically fit within the Dublin Release Timeline.

The Release Scope was finalized during the M1 Release Planning milestone at the [TSC on January 31st](#).

The [Requirements extracted from SP lists of priorities for Dublin](#) are covered either by the Use Case, the functional requirements, the non functional requirement or within a project scope of work.

- Use Cases
- Functional Requirements
- Non Functional Requirements

TSC Prioritization (Ranking)

- RANK #0 – Special GO - fully covered by involved companies
- RANK #1 – GO “Must Have”
- RANK #2 - GO “Continuity of previous releases”
- RANK #3 – GO if PTLs are OK since the impacted applications are less “stretched” i.e. CLAMP, Policy, DCAE etc.
- RANK #4 – NO GO – Mostly new requirements/features/projects

Use Cases

M1 Scorecard:

- Green: Use Case will be fully implemented and tested
- Yellow: Use Case will be partially implemented. It is possible to identify capabilities for this use case that can be tested (phasing approach).
- Red: Use Case can not be partially delivered, min. requirements can not be met in order to define a testing strategy.

Use Case	Owner (s)	Projects or functional requirements impacted for Dublin	Priority	M1 Scorecard	TSC M1 Approval	M3 Scorecard	M3 TSC Approval	M4 Scorecard	TSC M4 Approval	Link (s) to HLD /LLD if any
vFW	Marco Platania	Policy/(APPC) HPA	1-regression 3-enhancements	GREEN	Y	YELLOW Work done but test is blocked by VID/SO blockers - integration blockers	Y	GREEN Issue mentioned in the M3 Scorecard has been cleared. Pair-wise testing with APPC was successful. Need to test closed loop when latest Policy containers will be available	Y	vFirewall Use Case Upgrade
vDNS	Integration Team	HPA	1	GREEN	Y	YELLOW Test blocked by VID/SO blockers - integration blockers	Y	GREEN	Y	
vCPE (Heat)	Integration Team	HPA	1	GREEN	Y	YELLOW Test blocked by VID/SO blockers - integration blockers	Y	GREEN	Y	

CCVPN Use Case (Dublin) High priority:1, SD-WAN Multi-site to Multi-site service creation; 2, Service change: add or delete a site;3, close loop intelligent surveillance	LIN MENG	SDC, SO, SDN-C, OOF, ExternalAPI, UI, ESR, Modeling, MultiVIM /Cloud, VFC, Modeling, DCAE, Policy, Holmes, Consistent ID of a cloud region	2	GREEN	Y	YELLOW CCVPN Dublin Deliverables for API Freeze Milestone Checklist Multi-sites creation function will be partially implemented. (Has risks on implementation of coding and testing in SDC) - integration blockers	Y	GREEN Some bugs related to multi-site creation function in SO will be fixed by next week. This function is also at high priority in the integration test and the integration team in CCVPN team will spare all the efforts to support this function.	Y	CCVPN Use Case (Dublin)
5G: PNF Pre-onboarding Onboarding	Benjamin Cheung Michela Bevilacqua Zu Qiang (Ericsson)	SDC, VNFSDK, VNFRQTS (Docs)	2	GREEN 5G Use Case (R4 Dublin)	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSUMMARY	Y	GREEN Codes delivered and ready for integration tests. 5G - PNF Pre-Onboarding / Onboarding Development Status VNF-SDK-342 is still in progress (Jira) Agreed w Victor  VNFSDK-342 - Support packaging security SOL004: Option 2b - zip contains 3 files CLOSED	Y	5G - PNF Pre-Onboarding & Onboarding
5G: Bulk PM	Mark Scott	DCAE, DMaaP, VNFRqmt	2	GREEN 5G Use Case (R4 Dublin)	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSUMMARY	Y	GREEN Code is delivered	Y	5G - Bulk PM (Casablanca carry-over items)

5G: Config w/ NetConf	Oskar Malm	SDC, SO, SDNC, CCSDK, VNFRQTS	2	GREEN 5G Use Case (R4 Dublin)	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSSUMMARY	Y	GREEN Functionality delivered in all impacted projects, except one open issue in SO:  SO-1779 - Fix the CreateVcpeResCustServiceSimplifiedTest integration test CLOSED (Bug Fix we are aware of)	Y	5G - Configuration with NETCONF
5G: FM Meta PM Dictionary	Benjamin Cheung Linda Horn	SDC, VNFRqmt, VES Specification (Done)	2	GREEN 5G Use Case (R4 Dublin)	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSSUMMARY	Y	GREEN Code is delivered	Y	5G - FM Meta Data / 5G - PM Dictionary
5G: OOF & PCI	N.K. Shankaran arayanan Swaminathan Seetharam an	SDC, APP-C, DCAE, OOF, Policy, VNFRqmt	2	GREEN 5G Use Case (R4 Dublin) Testing resources confirmed by Wipro (Swaminathan S.)	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSSUMMARY	Y	GREEN All code for Dublin is delivered.	Y	5G - OOF and PCI (Casablanca carry-over items)
5G: PNF Plug and Play & PNF Re-registration	Benjamin Cheung	SDC, Portal, VID, SO, A&AI, SDN-C, DCAE	2	GREEN 5G Use Case (R4 Dublin) Confirmed by Dublin Release Requirements that testing resources have been identified	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSSUMMARY	Y	GREEN Code is delivered	Y	5G - PNF Plug and Play (Casablanca carry-over items)
5G: Network Slicing	Borislav Gluzman	SDC, Modeling Sub-committee	2	GREEN 5G Use Case (R4 Dublin)	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSSUMMARY	Y	GREEN Code is delivered, Modeling work in progress.	Y	5G - Slicing

5G: PNF Software Upgrade	Ulas Kozat	SDN-C	2	GREEN 5G Use Case (R4 Dublin)	Y	GREEN 5G Use Case (R4 Dublin) #5GUseCase(Dublin)-APIIMPACTSUMMARY https://wiki.onap.org/pages/viewpage.action?pageId=40206496	Y	GREEN Code delivered and into integration stage. 5G - PNF SW Upgrade (Casablanca carry-over items)	Y	5G - PNF SW Upgrade (Casablanca carry-over items)
BBS	David Perez Caparros	DCAE, ExternalAPI, Modeling, SDNC, SO	0	GREEN	Y	GREEN BBS Dublin M3 Checklist	Y	GREEN BBS Use Case Tracking (Dublin Release) BBS System Status	Y	BBS Broadband Service Use Case (Dublin)

★ T-Shirt Size: Ballpark estimation for assessing the development/testing activities performed by the project team; not the integration team

- XS - <4 Man/Weeks;
- S - ~6 Man/Weeks;
- M - ~8 Man/Weeks;
- L - ~12 Man/Weeks;
- XL - > 12 Man/Weeks.

Functional Requirements

M1 Scorecard:

- Green: The functional requirement will be fully implemented and tested
- Yellow: The functional requirement will be partially implemented. It is possible to identify capabilities for this functional requirement that can be tested (phasing approach).
- Red: The functional requirement can not be partially delivered, min. requirements can not be met in order to define a testing strategy

Functional Requirement	Owner	Project Impacted	Priority	M1 Scorecard	TSC M1 Approval	M3 Scorecard	M3 TSC Approval	M4 Scorecard	TSC M4 Approval	Link (s) to HLD /LLD if any	
Consistent ID of a Cloud Region (Dublin)	Bin Yang	SDNC & APPC, VID, SO, UI, VFC, OOF	2	GREEN	Y	GREEN M3 checklist for Consistent ID of a Cloud Region	Y	YELLOW OOF does not realize this requirement, but can be tested by Test Plan 2: vFW Use Case covering "Consistent ID of Cloud Region" from Use Case Tracking in Dublin Release		Consistent ID of a Cloud Region (Dublin)	
Continuation of HPA (Dublin)	Alexander Vul	VNFSDK, SDC, SO, VFC, OOF, AAI, Policy, Multi-Cloud	2	GREEN	Y	GREEN M3 Gate (Dublin HPA)	Y	GREEN Coding is done. Testing now. Finding some issues in Policy related CLI commands. Debugging now.	Y	Continuation of HPA (Dublin)	SI op co re ad

Scaling Use Case (Dublin)	Scott Blandford	Main focus on DCAE /CLAMP & Policy	2	GREEN	Y	GREEN M3 Gate (Dublin Scaling)	Y	GREEN	Y	Scaling Use Case (Dublin)
K8S based Cloud Region Support	Ritu Sood Backup: Srinivasa Addepalli	Multi-Cloud, AAI, SDC, SO	0	GREEN	Y	GREEN M3 Gate for "K8S based Cloud Region Support"	Y	GREEN Code delivered in SDC, SO and MultiCloud. Pending Integration.	Y	K8S based Cloud Region Support
Change Management Dublin Extensions - Flexible designer /orchestrator	Ajay Mahimkar Chris Rapposelli-Manzo	SO, VID	2	GREEN SO (AT&T) and VID (Nokia) Testing confirmed by CM Team (AT&T)	Y	GREEN	Y	GREEN VID and SO functionality completed	Y	Change Management Dublin Extensions
Change Management Dublin Extensions - Traffic Migration	Lukasz Rajewski Ajay Mahimkar	APPC, OOF	2	GREEN Testing confirmed by Orange and AT&T	Y	GREEN Traffic Distribution APPC Dublin M3 Deliverables for API Freeze Milestone Checklist Template	Y	GREEN OOF functionality completed and merged. The portion of code in APPC has been merged. <if feature not complete already - move to OUTPLAN>	Y	Change Management Dublin Extensions
Change Management Dublin Extensions - Schedule Optimization	Ajay Mahimkar Jerry Flood	OOF	2	GREEN Testing confirmed by AT&T	Y	GREEN New CMSO APIs in Dublin	Y	GREEN Feature completed; working on code coverage	Y	Change Management Dublin Extensions
Model Driven Control Loop Design (Close Loop sub-committee)	Gervais-Martial Ngueko, Adam Krysiak Scott Blandford	DCAE, CLAMP, Policy	3	GREEN Testing confirmed by AT&T	Y	GREEN M3 checklist for Control Loop	Y	GREEN	Y	Model driven Control Loop Design
Modularity	Seshu Kumar Mudiganti, Fari Behi	SO, SDC, VFC, APPC, SDNC	3	GREEN SO Only Testing confirmed by SO Team	Y	GREEN	Y	GREEN	Y	https://wiki.onap.org/download/attachments/4529332/3/2018-12%20Virtual%20F2F%20-%2020Dublin%20Architecture%20Requirements-pa3.pptx?version=1&modificationDate=1544650581000&api=v2 https://jira.onap.org/browse/CCSDK-575

ETSI Alignment	Fernando Oliveira Byung-Woo Jun	SO, SDC, AAI,	3	GREEN ETSI Alignment SOOL003 plug-in to SO Ericsson confirmed the integration testing resource for the ETSI SOL003-plugin support	Y	GREEN	Y	GREEN Code delivered in SO and A&AI; working on VNFM Simulator for integration testing	Y	https://wiki.onap.org/download/attachments/45293323/2018-12%20Virt%20F2F%20-%2020Dublin%20Architecture%20Requirements-pa3.pptx?version=1&modificationDate=1544650581000&api=v2
OSAM/PNF	Bora Eliacik Sumithra Bhojan	???	4	RED Architecture did not approve	N					???
TOSCA Task Force	Stephen Terrill , Alexander Vul	???	4	RED	N				Y	https://wiki.onap.org/download/attachments/45293323/2018-12%20Virt%20F2F%20-%2020Dublin%20Architecture%20Requirements-pa3.pptx?version=1&modificationDate=1544650581000&api=v2
Alloted Network Function	Gil Bullard	???	4	RED	N					???
Phase 1 - VSP Compliance Check	Rabi Abdel user-67d6f Bryan Whittle	SDC CLI/VNFSDK	3	GREEN Prabhu Balan – (prabhu.balan1@vodafone.com) from Vodafone. Sean Joseph (sjoseph1@iconectiv.com) from iconectiv.	Y	GREEN	Y	GREEN	Y	VSP Compliance Check within SDC (Dublin) - Phase 1

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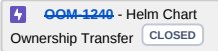
Non-Functional Requirements

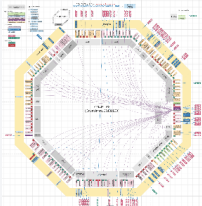
M1 Scorecard:

- Green: The non-functional requirement will be fully implemented and tested
- Yellow: The non-functional requirement will be partially implemented. It is possible to identify capabilities for this non-functional requirement can be tested (phasing approach).
- Red: The non-functional requirement can not be partially delivered, min. requirements can not be met in order to define a testing strategy

[illegible]

Improve our E2E Process Automation	TSC Task Force: Eric Debeau Andreas Geissler Bin Yang Alexis de Talhouët Timo Perala Frank Brockners	SO SDC CCSDK OOM Testsuite Documentation	1	GREEN It will not include the following items in Dublin 1. Support TOSCA network constructs 2. Single click instantiation (Using VID)	Y	GREEN	Y	GREEN End 2 End tests to start	Y
S3P - Footprint Optimization (Integration with Alpine) Alpine is the target, but possibility to use oother based OS (cf TSC 2019-02-28)	TSC Task Force: Eric Debeau Adolfo Perez-Duran Mike Elliott Michael O'Brien	OOM + ALL	1	GREEN Container optimization : on -going (eg SDNC) Testing Strategy https://lists.onap.org/g/onap-tsc/message/4605	Y	GREEN Reduction effort between Casablanca and Dublin Some old images to be renewed CIA team will endorse SDC Optimized Docker expected to be ready for RC0	Y	GREEN	Y
Component /memory optimization: Ongoing Assessment	TSC Task Force: Eric Debeau Adolfo Perez-Duran Mike Elliott Michael O'Brien	OOM + ALL	1	GREEN Component/memory optimization: Ongoing Assessment Testing Strategy https://lists.onap.org/g/onap-tsc/message/4605	Y	GREEN Global effort to optimize resources for small installation Capabilities to configure JAVA_OPTS for Java based images	Y	GREEN The ONAP Minimal Deployment target OK. Some attention required for AAI	Y
Global optimization (e.g. shared DB) - stretch goal=shared PostgreSQL; shared MariaDB	TSC Task Force: Eric Debeau Adolfo Perez-Duran Mike Elliott Michael O'Brien	OOM + ALL	1	GREEN Global optimization (e.g. shared DB) - stretch goal=shared PostgreSQL; shared MariaDB Testing Strategy https://lists.onap.org/g/onap-tsc/message/4605	Y	GREEN Shared DB instance creation on-going First integration with ONAP component on-going	Y	YELLOW Code OK for Mariadb-galera cluster and Cassandra cluster A&AI Integrated with Shared Cassandra. SDC has been tested but in discussion with PTL on merging into release. SDNC and SO (in test - awaiting PTL approval) with mariadb-galera.	Y

CI/CD	TSC Task Force: Michael O'Brien Jessica Wagantall Bengt Thuree Sylvain Desbureaux Morgan Richomme Mike Elliott Gary Wu	OOM + Integration (Infrastructure)	1	GREEN Manual PH1	Yes with limited scope: Manual PH1	GREEN Healthcheck gate is operational	Y	GREEN Infrastructure up , per commit triage working well-thank you Orange	Y
Document as You Code	Sofia Wallin	ALL	1	GREEN	Yes	GREEN	Y	GREEN	Y
Security by Design	Security Subcommit tee	ALL	1	GREEN Security Checklists integrated to the Release Milestone templates	Yes	GREEN	Y	YELLOW Yellow - Vulnerability Review Tables not finalized for few projects - Some projects missing answers for CII Passing badge and have not added Jim Baker as an editor of their CII badge - Some projects still exposing interfaces via HTTP instead of HTTPS	
Modeling M3 Checklist enhancement	Modeling Subcommit tee	SO, SDC, VFC, APPC, VNFSDK	1	RED	De-scoped from Dublin - TSC decision on 2/21				
Move Helm Chart (OOM) at project level	Mike Elliott	OOM + ALL	1	GREEN	Y	GREEN In progress: 	Y	YELLOW Transfer for A&AI targeted for April 18th,2019. Once successful, will transfer: - policy - aaf - appc - dcae (awaiting review of documented process before proceeding - see below) OOM - Development workflow after code transfer to tech teams [ON HOLD]	Y
oParent Integration to fix vulnerabilities	Security Subcommit tee Yang Xu	Integration +ALL	1	GREEN	Y	GREEN	Y	GREEN	Y

Additional functional tests delivered per project on OOM	Integration Team Morgan Richomme Christophe Closset Catherine Lefèvre		1	GREEN Reviewed on 2/14 with the Integration Team Final presentation to the PTLs on 2/19	Yes	GREEN Some teams raising requests/ <i>risks</i> to get help achieving this by M4.	Y	RED Lack of people See Risks	
S3P- Geo-Redundancy	Jason Hunt	OOM (introduction of CNI) /MUSIC capabilities leveraged by initial ONAP Components i. e. OOF, Portal, SDC	2	GREEN See Dublin Release Platform Maturity	Yes	GREEN OOF is running in multiple geos. Portal also using MUSIC. SDC & Policy will be in next release.	Y	GREEN	Y
SOL 004 (VNF Package Security)	Samuli Kuusela	SDC, VNFSdk	2	GREEN	Yes	GREEN	Y	RED Notified 2019-04-19 that the requirement is outplan as of 2019-04-22.	
xNF communication security enhancements.	Linda Horn	DCAE	3	GREEN Testing confirmed by Nokia - Przybysz, Marcin	Yes	YELLOW ONLY DCAE component. No other projects securing the xNF comms.	Need review at TSC	GREEN	Y
S3P - Service Mesh (ISTIO)	Security & Architecture Subcommittees	ALL except MSB or performed at K8S level (OOM); Poc of ISTIO plug-in to AAF not resourced	4	RED	No				
S3P Manageability - Logging Capabilities	Jason Hunt , Michael O'Brien	see yellow/red in  in progress log, aaf cli, consul, contrib, dcae, dmaap, nbi, oof, sdnc, so, uui, vid, vnfsdk, vvp good aai, appc, clamp, esr, multicloud, policy, pomba, portal, sdc, vfc	4	RED	No				
Locale /Internationalization language support	Tao Shen	Portal, UsecaseUI	3	GREEN No particular Integration Testing required. Portal/UUI Teams will provide the testing resources	Y	GREEN Implementation complete - test phase	Waiting for inputs	GREEN Assume code complete based on M3 feedback	

Angular 6 Upgrade of ONAP Portal and SDK	Manoop Talasila	Portal	3	GREEN Development Stretch Goal for Dublin. No particular Integration Testing required. Portal container at RCO will be the final version to be tested	Y	GREEN	Y	GREEN Implementation and documentation of the Angular upgrade that is scoped in Dublin is complete. Further, new screen changes are being planned to E release (as the Angular upgrade is a huge XL sized effort)	Y
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Dublin POC / Experimentation

POC Definition - (In Progress)

Type	Requirement	Owner	Project Impacted	Link(s) to HLD/LLD if any	Dependency (from/to) another project(s)	T-Shirt Size (XS, S, M, L, XL) ★	Project's Impact: Test Only (TO), Code (C)	Company Engagement	Notes	M4 Status
Functional Requirement	Self Serve Control Loop (Closed Loop Subcommittee)	Scott Blandford	DCAE, Policy, SDC	Model driven Control Loop Design This is a stretch goal for Dublin. We are still trying to align resources so that this can be accomplished this release			DCAE: Stretch Goal Policy: Stretch Goal SDC: Stretch Goal	AT&T		RED Due to Resource Constraint this will be pushed to the next feature release
Functional Requirement	Fine-Grained Placement Service (F-GPS) - Edge Automation		Multi-Cloud, OOF	https://wiki.onap.org/download/attachments/45293323/2018-12%20Virt%20F2F%20-%20%20Dublin%20Architecture%20Requirements-pa3.pptx?version=1&modificationDate=1544650581000&api=v2 F-GPS (Dublin Summary)			OOF: Committed MultiVIM /Cloud: Committed End-to-end Use Case Integration: Stretch Goal (due to several workflow changes)	IBM, AT&T, VMware (Architecture /Modelling), Intel (Architecture),		
Sub-Project	DataLake	Guobiao Mo	DCAE, UII	https://wiki.onap.org/display/DW/2019+Silicon+Valley+Meeting+Proposals?preview=/53248195/60889728/DataLake-Architecture-implementation.pptx		XL		China Mobile, QCT		RED Software is still under development.
Sub-Project	Composable Disaggregated Infrastructure (CDI)	@Alex Vul	Multi-Cloud					Intel		

Non-Functional Requirement	CI/CD Magic word "run-helm-deploy" in queue at LF, Orange and Log team Move to POC	TSC Task Force: Adolfo Perez-Duran Mike Elliott Michael O'Brien Morgan Richomme Sylvain Desbureau	OOM + Integration (Infrastructure)	OOM Gating				Amdocs Orange Linux Foundation Bell Huawei		
Non-Functional Requirement	Multi-Architecture Support	Adolfo Perez-Duran	Components used by vFW	-Healthcheck -vFW				ARM		RED Progress stalled - Global - jib is a higher priority.
Functional Requirement	ETSI Alignment SO plugin to support SOL005 to connect to an external NFVO	Dublin Release Requirements Dublin Release Requirements Dublin Release Requirements	SO, AAI, ESR, VFC, UI	https://wiki.onap.org/pages/viewpage.action?pageId=58229331 https://wiki.onap.org/download/attachments/45293323/2018-12%20Virtual%20F2F%20-%20%20Dublin%20Architecture%20Requirements-pa3.pptx?version=1&modificationDate=1544650581000&api=v2						
Functional Requirements	Distributed Analytics as a Service (Dublin Summary) - Edge Automation	Dileep Ranganathan ramki krishnan	Demo	Distributed Analytics as a Service (Dublin Summary) - Edge Automation						YELLOW Day-2 Config and Visualization package is pending.
Non-functional requirements	S3P - Provide Upgrade Capabilities PH1	Jason Hunt Mike Elliott	OOM supported by A&AI, SO, SDC and SDNCWaiting for inputs	Dublin Release Platform Maturity						YELLOW Partial progress.

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