

Release 5 BP/Feature Upstream Status

As of R5, in order to build a stable release, Upstream will need each BP/Feature to specify upstream repositories completely and with corresponding version/branch information.

R5 Requirement:

- If a BP has no code changes to upstream repositories, then it would just need to specify fully its upstream release versions in its [release document](#), matching with its blual testing versions.
- If a BP has code changes to upstream repositories, then it would need to either merge the code into the upstream before the R4 release time frame and updates its release versions. If the code cant be merged the code into upstream timely, then the BP will not fit into the R5.
- Or an upstream fork is acceptable, but the fork should be locked before R5 release and the code should be merged back to upstream eventually.
- Steps to update Upstream information:
 - Add an entry in the following table
 - Fill in the Upstream document field, typically the release note
 - Add detail upstream information into release notes, including the name of the upstream/releases. For example, Ubuntu/20.04. Please list all major upstreams the BP used.

R5 Release Review Status (In Progress, all BPs please follow the schedule)

Project Name	Upstream Documents (Provided by BP)	Review Date	Upstream Review Status (Edited by Upstream Subcommittee)	Comments (Any members)
Connected Vehicle Blueprint(Aka CVB)	CVB Release 5 Release Note		No changes from R4. Completed	
IEC Type 4: AR/VR oriented Edge Stack for Integrated Edge Cloud (IEC) Blueprint Family	Release 5 Release Note-IEC Type4			
Integrated Cloud Native NFV/App stack family (Short term: ICN)	Upstream Dependency Matrix and Upstream Project Information and ICN R5 Release Notes	8/6/2021	Completed	
Multi-Tenant Secure Cloud Native Platform	Upstream Dependency Matrix and Upstream Project Information and ICN R5 Release Notes	8/10/2021	Completed	
ELIOT IoT Gateway Blueprint	ELIOT R5 - IoT Gateway Architecture Document	8/6/2021	Completed	
ELIOT SD-WAN/WAN Edge/uCPE Blueprint	ELIOT R5 - SD-WAN / WAN Edge / uCPE Architecture Document	8/6/2021	Completed	
Network Cloud and TF Integration Project	Release	8/10/2021	Completed	No changes from R4
Provider Access Edge (PAE) Blueprint				
Industrial Edge (IE) Blueprint				
Micro-MEC				
The AI Edge: School/Education Video Security Monitoring	Video Security Monitoring R5 Release Notes			
The AI Edge: Intelligent Vehicle-Infrastructure Cooperation System(I-VICS)	I-VICS R5 Release Notes			

5G MEC/Slice System to Support Cloud Gaming, HD Video and Live Broadcasting Blueprint	R4&5 - Release Notes		Completed	
IEC Type 3: Android cloud native applications on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint Family				
IEC Type 5: SmartNIC for Integrated Edge Cloud (IEC) Blueprint Family				
Enterprise Applications on Lightweight 5G Telco Edge	R5 - Architecture Documentation of Enterprise Applications on Lightweight 5G Telco Edge	8/10/2021	Completed	
Public Cloud Edge Interface (PCEI) Blueprint Family	PCEI R5 Release Notes	8/6/2021	Completed	
The AI Edge: Federated ML application at edge	R5 Federated ML application at edge Release Notes	8/10/2021	Missing details	" dependencies of the release (upstream version, patches) still the same" Please link to the place where the same release information is provided.
KubeEdge Edge Service Blueprint	KubeEdge BP Release Notes			Old updates. Need check if any update for R5
Kubernetes Native Infrastructure (KNI) Blueprint Family	Upstream Dependency Matrix and Upstream Project Information	8/10/2021	Completed	can improve with details of all upstream versions/releases
Private LTE/5G ICN Blueprint	Upstream Dependency Matrix and Upstream Project Information	8/10/2021	Completed	No updates from R4
Rural Edge blueprint for Tami COVID-19 Blueprint Family			Missing Details	
Smart Cities	Smart Cities R5 Upstream		Completed	In the smart cities R5 release, there is only the security module parsec, which is an independent third-party open source project and does not depend on the existing Arkraio code repositories.
MEC-based Stable Topology Prediction for Vehicular Networks	Release Notes - R5 (MEC-based)		Missing details	Release 5 deliverables not found.
IEC Type 2 for Integrated Edge Cloud (IEC) Blueprint Family	Upstream Dependency Matrix and Upstream Project Information		Missing Details	Updates are old in the upstream matrix. Need re-verification if any change in R5. No upstream information included in IEC Type 2 Release Notes for R5
IIoT at the Smart Device Edge (family)	IIoT Predictive Maintenance Release Notes	8/25/2021	Completed	Can be updated in the upstream Dependency matrix with the project name. Should we use the actual project name or blueprint family name in the "Project Name" Column
Federated Multi-Access Edge Cloud Platform	R5 Release Notes	10/14/2021		
Smart Data Transaction for CPS	R6 Release Notes			