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Anuket Release Process
Issues and Objectives

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Release Process Objectives

- For each Reference Architecture (RA), deliver a compliant Reference Conformance (RC) suite, and a Reference Implementation (RI) for use by the telecom industry for VNF / CNF development.
- Provide appropriate release artifacts, including documentation, such that the RM, RA, RC, and RI may be readily consumed by the telecom industry.
- Provide a path for release for projects that do not currently contribute directly to RC or RI.
- Coordinate releases with marketing and events to promote the Anuket project, bring awareness to the industry, and attract contributors.

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Release Process Issues

- Should specifications and software have an integrated, lock-step release process, or a loosely coupled release process?
- What should the release cadence be?
- What specific release artifacts will be delivered?
- What's the best means for software developers to provide input to specification developers prior to publication/release?
- What level of compliance between software and specification is sufficient?
- What cross-project integration testing is required and how will it be accomplished?
- How should projects be released that do not currently have a direct contribution to RC or RI?
- What is the role of installers?

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Integrated vs. Loosely Coupled Release Process

- Integrated definition: a single release process for specifications and software.
- Integrated Proc:
 - Simple
 - Each release includes RC + RI, as well as associated specifications.
 - Immediate feedback between spec and sw development
- Integrated Cons:
 - Develop and agree upon new process steps and milestones
 - Possibly throttle specification development

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Integrated vs. Loosely Coupled Release Process

- Loosely Coupled definition: separate release processes for specifications and software.
- Loosely Coupled Proc:
 - Separate release processes already exist
 - Specification development can proceed at its own pace
- Loosely Coupled Cons:
 - Over time, could have a broad divergence between specifications and software
 - Which specifications are selected for implementation?
 - Feedback between software and specification dev is less direct

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Notes (TSC 01/12)

- Upstream dependencies? Loosely coupled less affected.
- RC and RI not coupled. Should have separate release streams.
- RC = RA = RM
- If no change to RA or RM, then RC stays the same (except for compliance improvements or bug fixes)

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Release Cadence

- Should specifications and software have the same cadence? What is the implication if they have different cadences?
- OPNFV software has traditionally been released on a ~6 month cadence (twice per year). Continue?

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Release Artifacts

- Specifications (RM, RA, RC, RI)
 - RA and RI may have more than one
 - Specification related documentation
- Software
 - RC and RI (one or more)
 - Project releases
 - Manifest: documents compliance of RC & RI to specifications
 - RC and RI documentation
 - Project documentation

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