Modeling R4 M3 Architecture Review

1. **Project Overview**
   - Both Python and Java based Parser will not be updated in R4, the R4 release will use the same as previous release.
   - New proposal to work on the generic parser which is micro service based, and it is treated as POC for Dublin release

2. **New component capabilities for Dublin, i.e. the functional enhancements**
   a. a generic parser
      - VNF/PNF/Service Tosca Data model parsing APIs
      - Pkg management APIs. In order to provide more granular APIs the generic parser own its pkg storagethe consumer can also leverage this pkg management capability for pkg storage.

3. **New or modified interfaces**
   - Generic tosca parser APIs

4. **Interface naming**
   a. API List:
      - Generic tosca parser APIs
      - parser APIs, such as:
        - POST /api/parser/v1/parser
        - POST /api/parser/v1/parsernsd
        - POST /api/parser/v1/parserpnfd
        - POST /api/parser/v1/parservnfd

      - PKG management APIs, such as:
        - POST /api/parser/v1/service_packages
        - GET /api/parser/v1/service_packages
        - GET /api/parser/v1/service_packages/{csarId}
        - DELETE /api/parser/v1/service_packages/{csarId}

5. **Reference to the interfaces**
   a. Generic Parser API

6. **What are the system limits**
   a. Generic Parser
      i. Only support tosca data model parsing in Dublin release
      ii. Focus on UUI, VNFSDK, VF-C requirements to do POC in Dublin release

7. **Involved use cases, architectural capabilities or functional requirements**
   a. CCVPN, vCPE

8. **Listing of new or impacted models used by the project (for information only)**
   a. None.