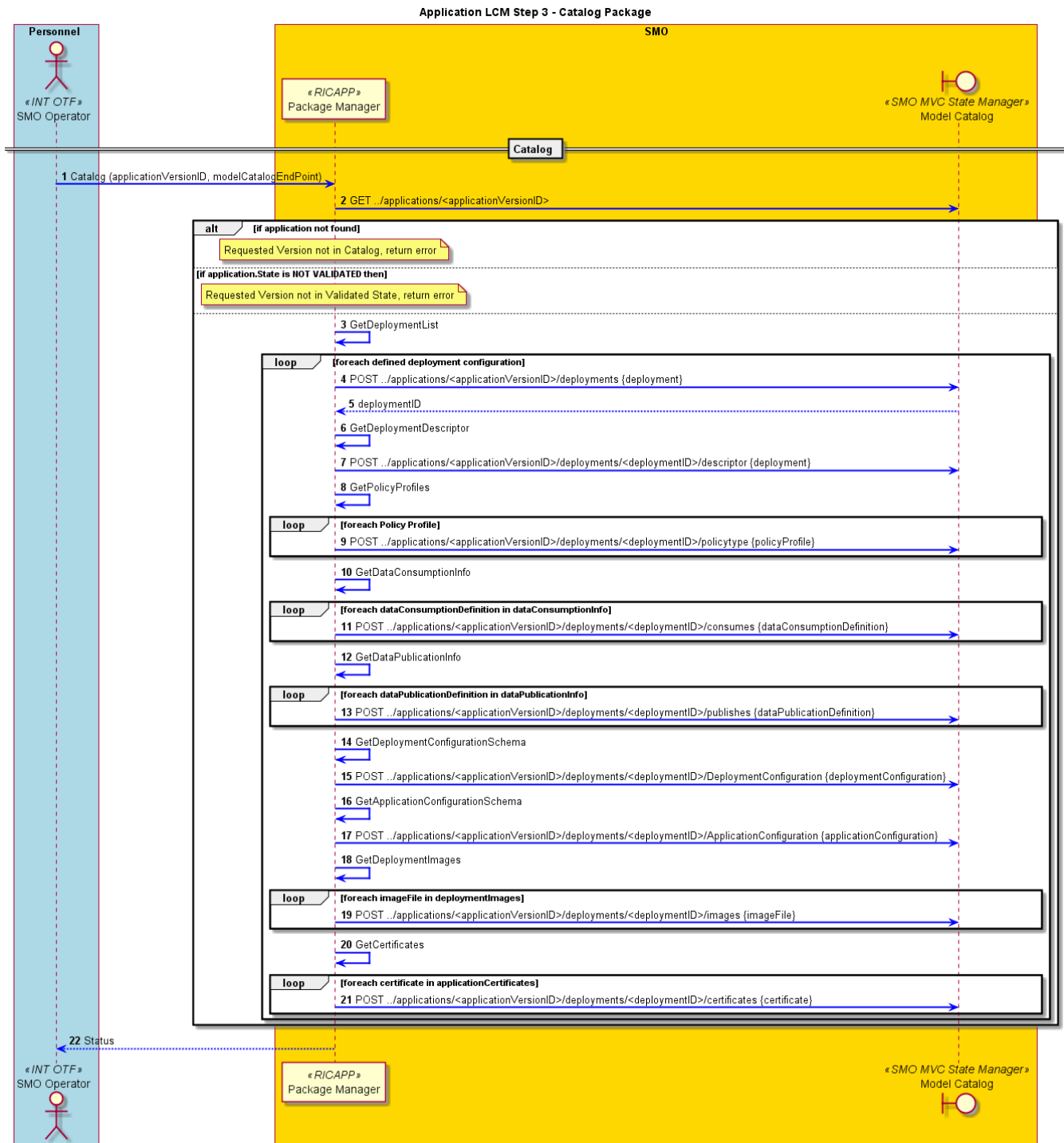


# Cherry Application LCM Step 3 - Catalog Package

## Sequence Diagram



```

@startuml
Title Application LCM Step 3 - Catalog Package
skinparam sequenceArrowThickness 2
skinparam ParticipantPadding 5
skinparam BoxPadding 10
skinparam ArrowColor #blue
autonumber

Box Personnel #lightblue
    Actor SOP as "SMO Operator" <<INT OTF>>
End box

Box "SMO" #gold
    Participant SPMGR as "Package Manager" <<RICAPP>>
    Boundary MC as "Model Catalog" <<SMO MVC State Manager>>
end box

== Catalog ==

SOP -> SPMGR : Catalog (applicationVersionID, modelCatalogEndPoint)
SPMGR -> MC : GET ../applications/<applicationVersionID>
alt if application not found
    note over SPMGR : Requested Version not in Catalog, return error
else if application.State is NOT VALIDATED then
    note over SPMGR : Requested Version not in Validated State, return error
else
    SPMGR -> SPMGR : GetDeploymentList
    loop foreach defined deployment configuration
        SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments {deployment}
        return deploymentID

        SPMGR -> SPMGR : GetDeploymentDescriptor
        SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>/descriptor {deployment}

        SPMGR -> SPMGR : GetPolicyProfiles
        loop foreach Policy Profile
            SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>/policytype
        {policyProfile}
        end

        SPMGR -> SPMGR : GetDataConsumptionInfo
        loop foreach dataConsumptionDefinition in dataConsumptionInfo
            SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>/consumes
        {dataConsumptionDefinition}
        end

        SPMGR -> SPMGR : GetDataPublicationInfo
        loop foreach dataPublicationDefinition in dataPublicationInfo
            SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>/publishes
        {dataPublicationDefinition}
        end

        SPMGR -> SPMGR : GetDeploymentConfigurationSchema
        SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>
        /DeploymentConfiguration {deploymentConfiguration}

        SPMGR -> SPMGR : GetApplicationConfigurationSchema
        SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>
        /ApplicationConfiguration {applicationConfiguration}

        SPMGR -> SPMGR : GetDeploymentImages
        loop foreach imageFile in deploymentImages
            SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>/images {imageFile}
        end

        SPMGR -> SPMGR : GetCertificates
        loop foreach certificate in applicationCertificates
            SPMGR -> MC : POST ../applications/<applicationVersionID>/deployments/<deploymentID>/certificates
        {certificate}
        end
    end
end if

SPMGR --> SOP : Status

@enduml

```