MsgMessage
-Sys[1] : Eid
-Ref[1] : Eid
-CreationDateTime[1] : DateTime

MsgContextHospitalStay
-Uid[1] : Uid

MsgAct
-Ref[1] : Eid
-RefVersion[1] : DateTime
-IsDeleted[0..1] : bool = false
-Code[1] : Eid
-Name[0..1] : Name
-StatusId[0..1] : ActStatusId = Executed
-ByCaregiverUid[1] : Uid
-BySubjectId[0..1] : BySubjectId = ByCaregiver
-AtUnitUid[1] : Uid
-PlanningTypeId[0..1] : ActPlanningTypeId = NotPlanned
-PlanningDateTime[0..1] : DateTime
-PlannedExecutionStartDateTime[0..1] : DateTime
-EffectiveExecutionStartDateTime[0..1] : DateTime
-EffectiveExecutionDurationTimeSpan[0..1] : NbrOfSeconds
-RecipientOfCare[0..1] : string = #
-ProtocolCode[0..1] : Eid
-ProtocolName[0..1] : Name

MsgAspect
-AspectCode[1] : Eid
-AspectName[0..1] : Name
-DataTypeCode[0..1] : Eid
-DataTypeName[0..1] : Name
-ArchetypeId[0..1] : ValueArchetypeId
-Value[1] : ValueAsString
-ValueName[0..1] : Name
-ScaleCode[0..1] : Eid
-ScaleName[0..1] : Name

MsgFact
-Ref[1] : Eid
-IsDeleted[0..1] : bool = false
-Code[1] : Eid
-Name[0..1] : Name
-TypeId[0..1] : FactTypeId
-StatusId[0..1] : FactStatusId = Complete
-SubjectOfInfo[0..1] : string = #
-ValidAtOrFrom[0..1] : DateTime
-ValidUntil[0..1] : DateTime
-SourceId[0..1] : FactSourceId = ManuallyEntered
-DataTypeCode[0..1] : Eid
-DataTypeName[0..1] : Name
-ArchetypeId[0..1] : ValueArchetypeId
-Value[1] : ValueAsString
-ValueName[0..1] : Name
-ScaleCode[0..1] : Eid
-ScaleName[0..1] : Name

-LastlyReportedDuring

MsgAspect

-ContextPlan

MsgContextPlan
-ContextPlanSys[1] : Eid
-ContextPlanRef[1] : Eid

MsgContextAct
-ContextActSys[1] : Eid
-ContextActRef[1] : Eid

MsgPlan
-Ref[1] : Eid
-RefVersion[1] : DateTime
-IsDeleted[0..1] : bool = false
-Name[0..1] : Name
-PlanKindId[0..1] : PlanKindId
-PlanSpecifityId[0..1] : PlanSpecifityId
-From[1] : DateTime
-Until[0..1] : DateTime
-AuthoringCaregiverUid[0..*] : Uid
-PrescribingCaregiverUid[0..1] : Uid
-PlanTemplateRef[0..1] : Eid
-PlanTemplateRefVersion[0..1] : DateTime
-IndividualPlanOnPaperRef[0..1] : string

MsgMessage

-Sys[1] : Eid
-Ref[1] : Eid
-CreationDateTime[1] : DateTime

Messages are idempotent. This means,
that the order in which messages are received and
processed, has no impact on the final result.

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MsgPatient

-Uid[1] : Uid
-UidVersion[1] : DateTime
-IsDeleted[0..1] : bool = false
-Name[0..1] : Name
-Dob[0..1] : DateTime
-SexId[0..1] : SexId = Unknown
-AlternateUid[0..1] : Uid

*

When this message is received and
its Version is more recent than the version in the database,
all attributes in the database are updated; this implies, when an attribute
is absent, its corresponding value in the database is nullified.
If IsDeleted=true, the Patient record is removed from the database;
no other entity's records (e.g. depending HospitalStays) are removed
from the database.

1

MsgContextChildOfPatient

-Uid[1] : Uid

0..1

MsgContextPatient

-Uid[1] : Uid

0..1

1

MsgHospitalStay

-Uid[1] : Uid
-UidVersion[1] : DateTime
-IsDeleted[0..1] : bool = false
-From[1] : DateTime
-Until[0..1] : DateTime
-AlternateUid[0..1] : Uid = HospitalStayUid
-PTypeId[0..1] : HospitalStayPTypeId = P
-FTypeId[0..1] : HospitalStayFTypeId = H

*

When this message is received and
its Version is more recent than the version in the database,
all attributes and all agregated entities in the database are updated;
this implies: when an attribute is absent, its corresponding value in the
database is nullified; all depending UnitStays that exist in the database,
are replaced by the new UnitStays, present in the message.
If IsDeleted=true, the HospitalStay record is removed from the database,
including all depending UnitStays that exist in the database; no other
entity's records (e.g. related Patient) are removed from the database.

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MsgUnitStay

-Uid[1] : Uid
-UnitUid[1] : Uid
-IndexUid[0..1] : Uid
-SpecialtyUid[0..1] : Uid
-From[1] : DateTime
-Until[0..1] : DateTime

*

MsgCaregiverAssignment

-CaregiverUid[1] : Uid
-At[1] : Date
-UidVersion[1] : DateTime
-IsDeleted[0..1] : bool = false

*

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MsgCaregiverUnitAssignment

-UnitUid[1] : Uid
-FromTime[1] : Time
-UntilTime[1] : Time

*