#### T Model Methods

createTVocabularyModel(em: EntityManager, vocabularyId: Integer, fixedTime: LocalDateTime): TVocabularyModel getFixedTimeInstance(tvm: TVocabularyModel, includeVersions, includeAccessPoints, includeREs)

diff(tvm1: TVocabularyModel, tvm2: TVocabularyModel, vdiff: VocabularyDifferences)

### T Model Base

em: EntityManager

fixedTime: LocalDateTime vocabularyId: Integer

#setEm(entityManager)
#setFixedTime(aFixedTime)
#setVocabularyId(aVocabularyId)

#em(): EntityManager

#fixedTime(): LocalDateTime #vocabularyId(): Integer #populateModel() describeModel()

#insertIntoSchema(vocabulary, includeVersions, includeAccessPoints, includeREs)

#diff(tvm2: TVocabularyModel)

## T Vocabulary Model

-vocabulary

-subModels: List<TModelBase>

isEmpty(): boolean
-populateSubmodels()
#getTVersionsModel()
getFixedTimeInstance(in

#### T Versions Model

-vocabularyModel: TVocabularyModel

-versions

-subModels: List<TModelBase>

-populateSubmodels()

#getVersions()

#getTAccessPointsModel()

# T Access Points Model

-vocabularyModel: TVocabularyModel

-versionsModel: TVersionsModel

-versions

-aps

#getAPs()

## **Vocabulary Differences**

-finalResult: RegistryEventEventType

-title: String

-vocabularyDiffs: Set<String>

-fieldDiffs: DiffResult

-versionDiffs: Map<Integer, VersionDiffs>

getFinalResult()

setFinalResult(aFinalResult: RegistryEventEventType)

getTitle()

setTitle(aTitle: String) getVocabularyDiffs()

addVocabularyDiff(aVocabularyDiff: String)

getFieldDiffs()

setFieldDiffs(aFieldDiffs: DiffResult)

getVersionDiffs()

requireVersionDiffsForVersion(versionId: Integer) getVersionDiffsForVersion(versionId: Integer)

addVersionDiff(versionId: Integer, aVersionDiff: String)

cleanupVersionDiffs() isEmpty(): boolean



version differences
0..\*

## **Version Differences**

-finalResult: RegistryEventEventType

-title: String

-versionDiffs: List<String>
-fieldDiffs: DiffResult

getFinalResult()

setFinalResult(aFinalResult: RegistryEventEventType)

getTitle()

setTitle(aTitle: String)
getVersionDiffs()

addVersionDiff(aVersionDiff: String)

getFieldDiffs()

setFieldDiffs(aFieldDiffs: DiffResult)