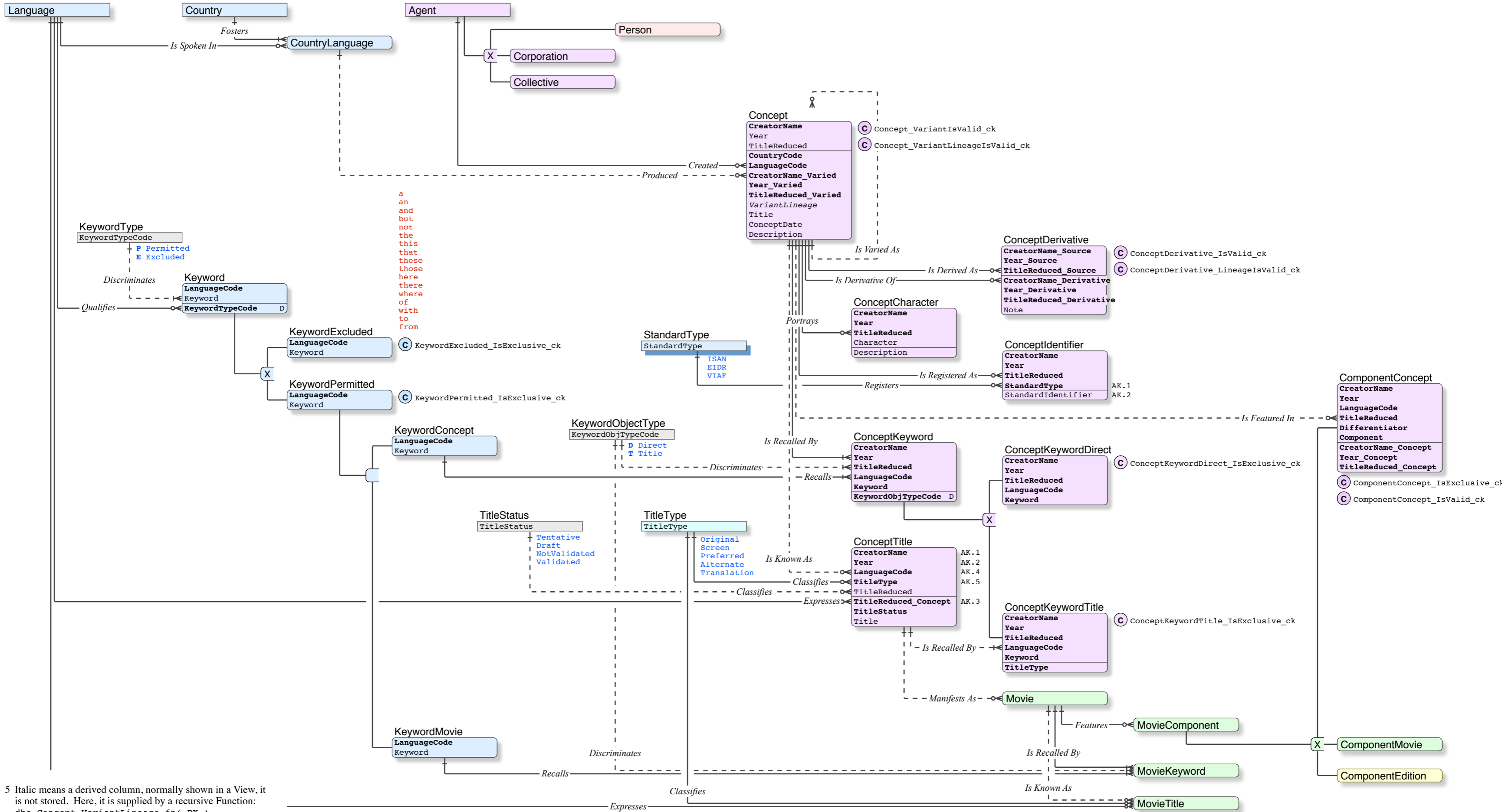


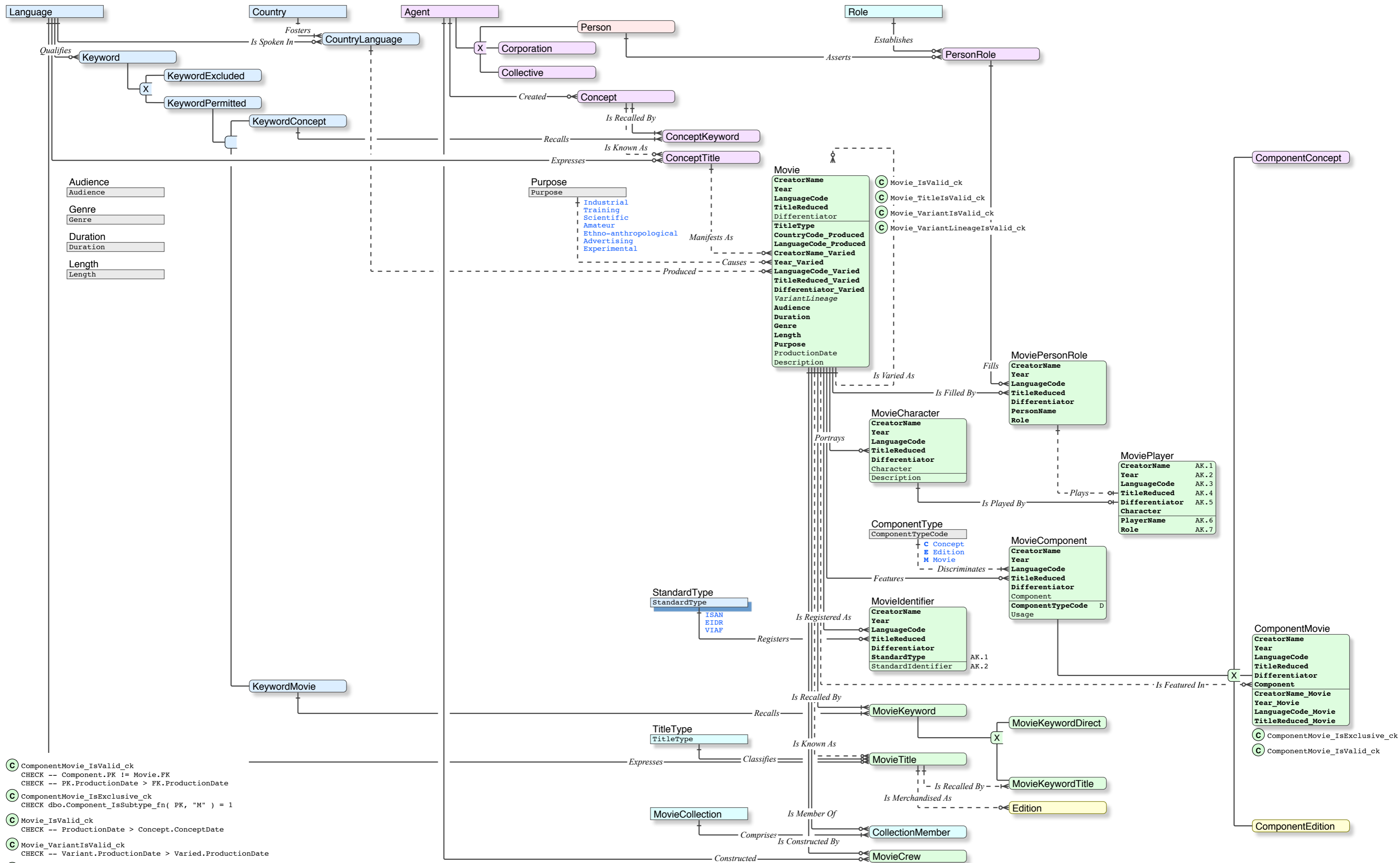
1 All *Codes in the Country cluster are ISO or ANSI/FIPS Standard codes.
 2 CountryCode & LanguageCode:
 • in PersonBirthCountryCode & PersonFull, it is that of birth
 • in Agent, it is the operative value, relevant to Concept & Movie.
 3 PersonName is made up:
 a. in order to allow a Person with minimum identifying attributes (refer Constraints), and
 b. in order to allow a common Key for AgentName.
 It remains a breach of 1NF and a duplicate column.
 4 Differentiator (all instances) is a meaningful value, supplied by the user, not the system.
 • PersonMinimum: if the middle name or initial is known, it is preferred.

(C) Collective_IsExclusive_ck
 CHECK dbo.Agent_IsSubtype_fn(PK, "L") = 1
 (C) Corporation_IsExclusive_ck
 CHECK dbo.Agent_IsSubtype_fn(PK, "C") = 1



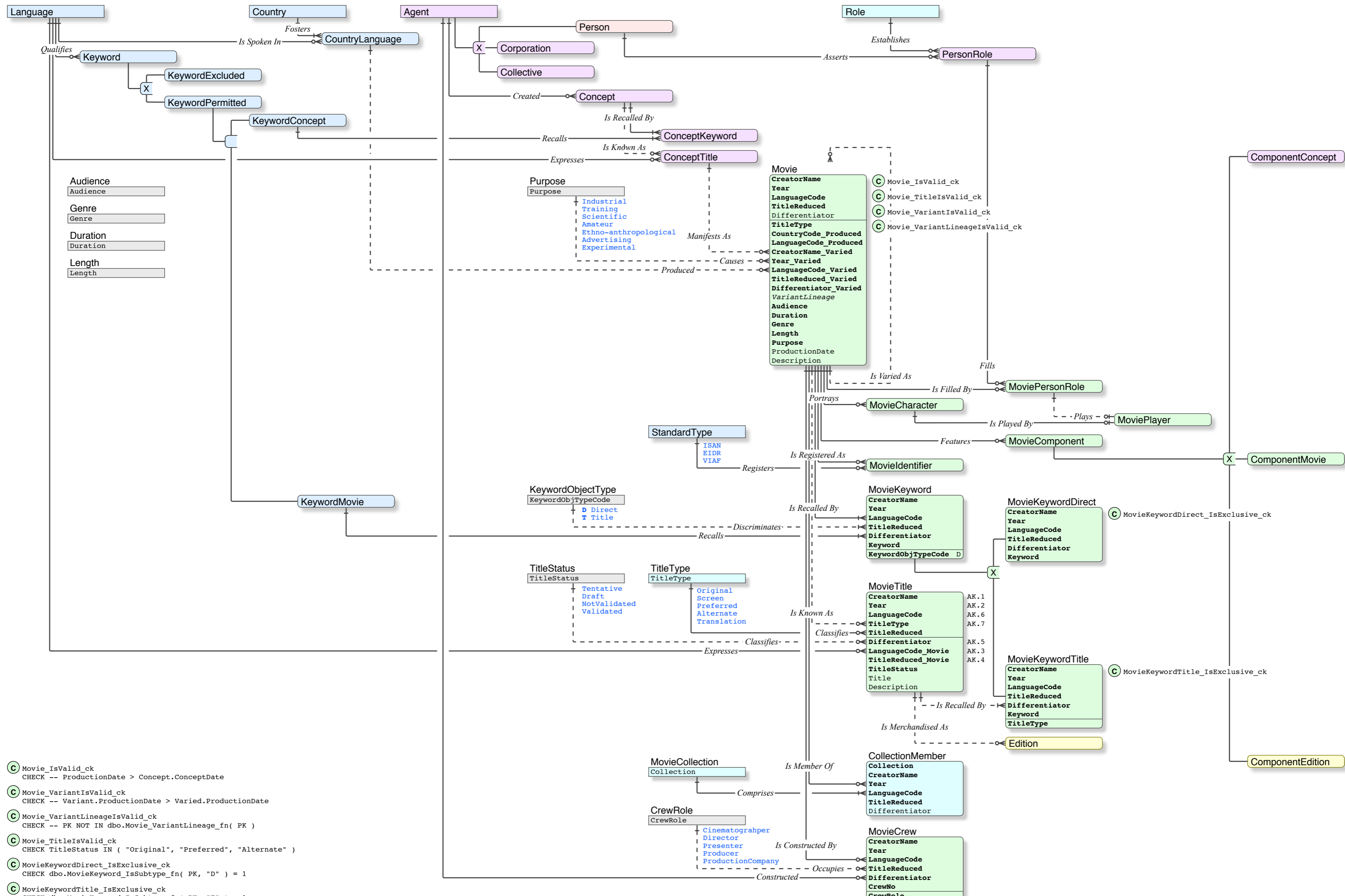
5 Italic means a derived column, normally shown in a View, it is not stored. Here, it is supplied by a recursive Function:
 dbo.Concept_VariantLineage_fn(PK)

- (C) ComponentConcept_IsValid_ck
 CHECK -- Movie.ProductionDate > Concept.ConceptDate
- (C) ComponentConcept_IsExclusive_ck
 CHECK dbo.Component_IsSubtype_fn(PK, "C") = 1
- (C) ConceptDerivative_IsValid_ck
 CHECK -- Derivative.ConceptDate > Derived.ConceptDate
- (C) ConceptDerivative_LineageIsValid_ck
 CHECK -- PK NOT IN dbo.ConceptDerivative_Lineage_fn(PK)
- (C) Concept_VariantIsValid_ck
 CHECK -- Variant.ConceptDate > Variied.ConceptDate
- (C) Concept_VariantLineageIsValid_ck
 CHECK -- PK NOT IN dbo.Concept_VariantLineage_fn(PK)

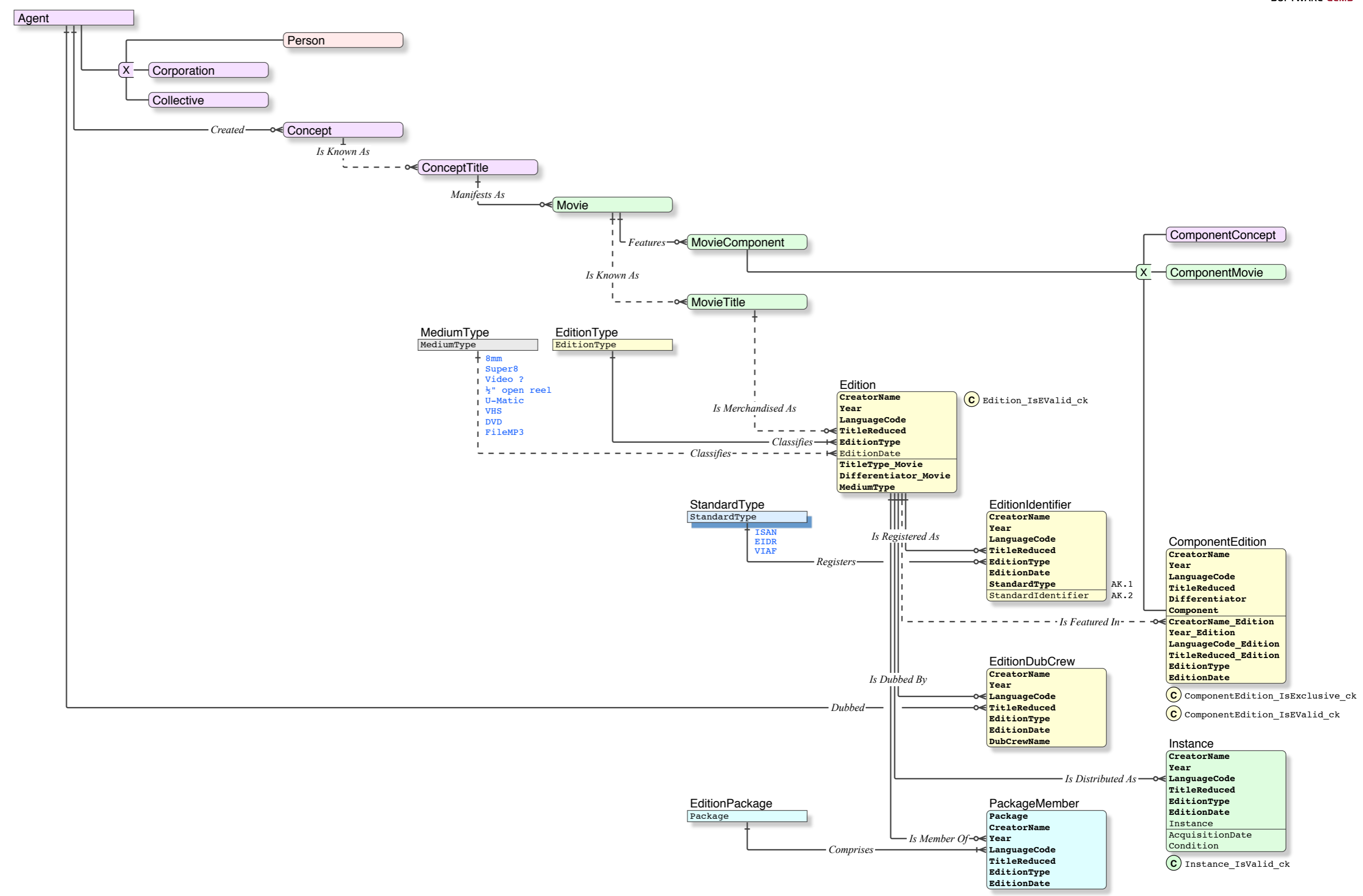


- (C) ComponentMovie_IsValid_ck
CHECK -- Component.PK != Movie.FK
CHECK -- PK.ProductionDate > FK.ProductionDate
- (C) ComponentMovie_IsExclusive_ck
CHECK dbo.Component_IsSubtype_fn(PK, "M") = 1
- (C) Movie_IsValid_ck
CHECK -- ProductionDate > Concept.ConceptDate
- (C) Movie_VariantIsValid_ck
CHECK -- Variant.ProductionDate > Varied.ProductionDate
- (C) Movie_VariantLineageIsValid_ck
CHECK -- PK NOT IN dbo.Movie_VariantLineage_fn(PK)
- (C) Movie_TitleIsValid_ck
CHECK TitleStatus IN ("Original", "Preferred", "Alternate")

Movie 2



- (C) Movie_IsValid_ck
CHECK -- ProductionDate > Concept.ConceptDate
- (C) Movie_VariantIsValid_ck
CHECK -- Variant.ProductionDate > Varied.ProductionDate
- (C) Movie_VariantLineageIsValid_ck
CHECK -- PK NOT IN dbo.Movie_VariantLineage_fn(PK)
- (C) Movie_TitleIsValid_ck
CHECK TitleStatus IN ("Original", "Preferred", "Alternate")
- (C) MovieKeywordDirect_IsExclusive_ck
CHECK dbo.MovieKeyword_IsSubtype_fn(PK, "D") = 1
- (C) MovieKeywordTitle_IsExclusive_ck
CHECK dbo.MovieKeyword_IsSubtype_fn(PK, "T") = 1



6 Whereas MediumType & FormatType are physical (sensible) classifications, EditionType is a Logical (intelligible) classification.

Ⓢ ComponentEdition_IsEValid_ck
CHECK -- Movie.ProductionDate > Edition.Edition

Ⓢ ComponentEdition_IsExclusive_ck
CHECK dbo.Component_IsSubtype_fn(PK, "E") = 1

Ⓢ Edition_IsEValid_ck
CHECK -- EditionDate > Movie.ProductionDate

Ⓢ Instance_IsValid_ck
CHECK -- AcquisitionDate > EditionDate

Heading 13

Heading 11

Paragraph Times 10 for 90%, Times 9 for 100%.

- Bullet 1

Paragraph

- Bullet 1
 - Bullet 2
 - Bullet 3

100%
W 14.35 cm
H 19.5 cm