DS-XML Version 0.4
Transaction - Design
Class Diagram 1

TransactionType
+DesignTransactionBody
0..*
TransactionBodyType
+TransactionErrorDetails
0..1
TransactionErrorDetails
+TransactionError
1..*
TransactionErrorType
TransactionErrorCode : token
TransactionErrorText : TextType

+TransactionHeader
0..1
TransactionHeaderType
+ReceiverDetails
0..1
ReceiverDetails
ReceiverDateTime : dateTime
Comment : TextType

+TransactionContentDetails
1
TransactionContentDetails
TransactionIdentifier : string
TransactionCode : TransactionCodeType
TransactionSubCode : TransactionSubCodeType

+SenderDetails
0..1
SenderDetails
RequestIdentifier : string
RequestLanguageCode : ISOLanguageCodeType
RequestXSDVersion : string
RequestFilename : string
RequestStatus : string
RequestProducer : string
RequestProducedDate : date
RequestReceivingOfficeCode : ST3CountryCodeType

+TransactionData
1
TransactionDataType
0..1

DesignApplicationDetails
+DesignApplication
1..*
+DesignApplicationDetails
1

<<XSDchoice>>
group_10
DesignApplicationDate : date
DesignApplicationDateTime : dateTime
1
0..1

DesignedCountryType
DesignatedCountryCode : DesignatedCountryCodeType
DesignatedUnderCode : DesignatedUnderCodeType
1..*
+DesignatedCountry
DesignatedCountryDetails
+DesignatedCountryDetails

DesignApplicationEventType
DesignApplicationEventCode : DesignApplicationEventCodeType
DesignApplicationEventResponseDate : date
Comment : TextType
1..*
+DesignApplicationEvent
DesignApplicationEventDetails
0..1
+DesignApplicationEventDetails

CorrespondenceAddressKeyType
CorrespondenceAddressIdentifier : IdentifierType
CorrespondenceAddressParty : CorrespondenceAddressPartyType
0..1
+CorrespondenceAddressKey

DesignApplicationType
<<XSDattribute>> operationCode : OperationCodeType
ApplicationFormName : string
RegistrationOfficeCode : ST3CountryCodeType
ReceivingOfficeCode : ST3CountryCodeType
ReceivingOfficeDate : date
ReceiptNumber : string
SealedDepositIndicator : boolean
DesignApplicationNumber : string
FilingPlace : string
DesignApplicationReference : string
DesignApplicationLanguageCode : ExtendedISOLanguageCodeType
SecondLanguageCode : ExtendedISOLanguageCodeType
TotalDesign : positiveInteger
CorrespondenceLanguageCode : ExtendedISOLanguageCodeType
DesignApplicationCurrentStatusCode : DesignApplicationCurrentStatusCodeType
DesignApplicationCurrentStatusDate : date
1
<<XSDchoice>>
group_24
+CorrespondenceAddress
0..1
CorrespondenceAddressType
CorrespondenceAddressIdentifier : IdentifierType
CorrespondenceAddressParty : CorrespondenceAddressPartyType

See Payment
Class Diagram
PaymentDetails
+PaymentDetails
0..1
ReimbursementDetails
+ReimbursementDetails
0..1
SignatoryDetails
+SignatoryDetails
0..1

ApplicantDetails
+ApplicantDetails
1
<<XSDchoice>>
group_1
+DesignRecordRelationDetails
1
DesignRecordRelationDetails

+LoginInformation
0..1
LoginInformationType
Login : string
LoginEmail : string
Password : anySimpleType

+Applicant
+RepresentativeDetails
RepresentativeDetails
1
+Representative
+DesignRecordDetails
1
DesignRecordDetails
+DesignRecordRelation
1..*
DesignRecordRelationType
+RecordKey
+DesignKey
1
1
KeyType
Identifier : IdentifierType

See Applicant-Representative
Class Diagram 2
1..*
ApplicantType
1..*
RepresentativeType

See Design Record
Class Diagram 4
+DesignRecord
1..*
DesignRecordType

+DesignDetails
1
DesignDetails

RequestExaminationType
RequestExaminationAuthority : string
RequestExaminationKindCode : RequestExaminationKindCodeType
+RequestExamination
0..1
+RequestSoftware
0..1
RequestSoftwareType
RequestSoftwareName : string
RequestSoftwareVersion : string
+DocumentIncludedDetails
0..1
DocumentIncludedDetails
+DocumentIncluded
1..*
+DesignApplicationStatementDetails
0..1
DesignApplicationStatementDetails
DesignApplicationStatementText : TextType
+DesignApplicationStatementDocument
0..1
+Authorization
0..1
AuthorizationType
AuthorizationIdentifier : string
AuthorizationDate : date
AuthorizationKind : AuthorizationKindType
Comment : TextType
AuthorizationDocumentSupply : AuthorizationDocumentSupplyType
+AuthorizationDocument
0..1

DocumentType
DocumentName : string
DocumentFilename : string
DocumentFileFormat : FileFormatType
DocumentDate : date
DocumentLanguageCode : ISOLanguageCodeType
DocumentMedia : DocumentMediaType
DocumentLocation : string
DocumentVersion : string
DocumentSizeInByte : integer
Comment : TextType
DocumentBinary : base64Binary
+CitationDocument
0..1
CitationReferenceType
CitationIdentifier : IdentifierType
CitationKind : CitationKindType
CitationDescription : TextType
+CitationReference
1..*
CitationReferenceDetails
0..1
+CitationReferenceDetails

+RepresentativeDetails
+ApplicantDetails
+ApplicantKey
+RepresentativeKey
+RepresentativeDetails
0..1
RepresentativeDetails
+CorrespondenceAddressBook
+DesignDetails
1
DesignDetails
+Applicant
+Representative
+ApplicantDetails
1
ApplicantDetails
+ApplicantKey
1..*
KeyType
Identifier : IdentifierType
+RepresentativeKey
1..*
KeyType
Identifier : IdentifierType

PriorityType
PriorityCountryCode : ST3CountryCodeType
PriorityNumber : string
PriorityDate : date
PriorityHolderName : TextType
PriorityStatusCode : PriorityStatusCodeType
PriorityStatusDate : date
Comment : TextType
+PriorityDocument
0..*
1..*
+Priority
PriorityDetails
0..1
+PriorityDetails
+Design
1..*
DesignType
DesignIdentifier : string
DesignReference : string
RegistrationNumber : string
RegistrationDate : date
RenewalNumber : string
DesignTitle : TextType
DesignDescription : TextType
PublicationKindDescription : TextType
DesignClaim : TextType
NoveltyStatement : TextType
PartialDesignIndicator : boolean
PartialDisclaimer : TextType
PublicationDefermentIndicator : boolean
DefermentPeriod : PeriodType
ColourIndicator : boolean
DesignerWaiverIndicator : boolean
PublicationInColourIndicator : boolean
InmediatePublicationIndicator : boolean
DescriptionPublicationIndicator : boolean
DesignOpenToLicencingIndicator : boolean
TotalSpecimen : nonNegativeInteger
TotalRepresentation : integer
TotalColourView : positiveInteger
TotalBWView : positiveInteger
ExpiryDate : date
DesignCurrentStatusCode : DesignCurrentStatusCodeType
DesignCurrentStatusDate : date
+Design
1..*
+RepresentativeDetails
0..1
RepresentativeDetails
+DesignerDetails
0..1
DesignerDetails
+Designer
1..*
DesignerType
<<XSDattribute>> operationCode : OperationCodeType
DesignerIdentifier : IdentifierType
DesignerSequenceNumber : integer
DesignerNationalityCode : NationalityCodeType
Comment : string
+DesignerAddressBook

+ExhibitionDocument
0..*
1..*
+ExhibitionPriority
ExhibitionPriorityDetails
0..1
+ExhibitionPriorityDetails
ExhibitionPriorityType
ExhibitionCountryCode : ISOCountryCodeType
ExhibitionCityName : string
ExhibitionName : string
ExhibitionDate : date
ExhibitionFirstDisplayDate : date
ExhibitionStatusCode : ExhibitionStatusCodeType
ExhibitionStatusDate : date
Comment : TextType

+PublicationDetails
0..1
PublicationDetails
+Publication
1..*
PublicationType
PublicationIdentifier : string
PublicationSection : PublicationSectionType
PublicationSubsection : PublicationSubsectionType
PublicationDate : date
PublicationPage : string
+IndicationProductDetails
1
IndicationProductDetails
+IndicationProduct
1..*
IndicationProductType
ClassificationKindCode : ClassificationKindCodeType
ClassificationVersion : string
IndicationProductDescription : TextType
Comment : TextType

+DesignerKey
1..*
KeyType
Identifier : IdentifierType
<<XSDchoice>>
group_1
DesignEventDate : date
DesignEventDateTime : dateTime
0..1
RepresentationSizeType
Height : integer
Width : integer
Unit : UnitType
0..1
+DesignEventDetails
0..1
DesignEventDetails
+DesignEvent
1..*
DesignEventType
DesignEventCode : DesignEventCodeType
DesignEventResponseDate : date
Comment : TextType
CategoryCodeDetails
CategoryCode : CategoryCodeType
1
+CategoryCodeDetails
ViewCategoryType
CategoryKind : CategoryKindType
CategoryVersion : string
0..1
+ViewCategory
+ViewRepresentationSize

+RelatedApplicationDetails
+StaffDetails
+DesignSpecimenDetails
0..1
StaffDetails
+Staff
1..*
StaffType
StaffIdentifier : token
StaffName : token
OfficialTitle : token
0..1
DesignSpecimenDetails
+DesignSpecimen
1..*
SpecimenType
SpecimenIdentifier : string
SpecimenKind : SpecimenKindType
SpecimenDescription : TextType
SpecimenFilename : string
SpecimenFileFormat : FileFormatType
SpecimenColourIndicator : boolean
Comment : TextType
+DesignRepresentationSheetDetails
0..1
DesignRepresentationSheetDetails
+DesignRepresentationSheet
1..*
RepresentationSheetType
RepresentationSheetFilename : string
RepresentationSheetFileFormat : FileFormatType
RepresentationSheetColourIndicator : boolean
+ViewDetails
0..1
ViewDetails
+View
1..*
ViewType
ViewFilename : string
ViewFileFormat : FileFormatType
ViewTitle : TextType
ViewColourIndicator : boolean
ViewKind : ViewKindType
ViewBinary : base64Binary

ClassDescriptionType
ClassNumber : ClassNumberType
ProductDescription : TextType
+ClassDescription
1..*
ClassDescriptionDetails
+ClassDescriptionDetails
1

RelatedApplicationType
RelatedApplicationNumber : string
RelatedApplicationDate : date
RelatedApplicationReference : string
RelatedApplicationRegistrationNumber : string
RelatedApplicationKind : RelatedApplicationKindType
+RelatedApplication
1..*
0..1
RelatedApplicationDetails