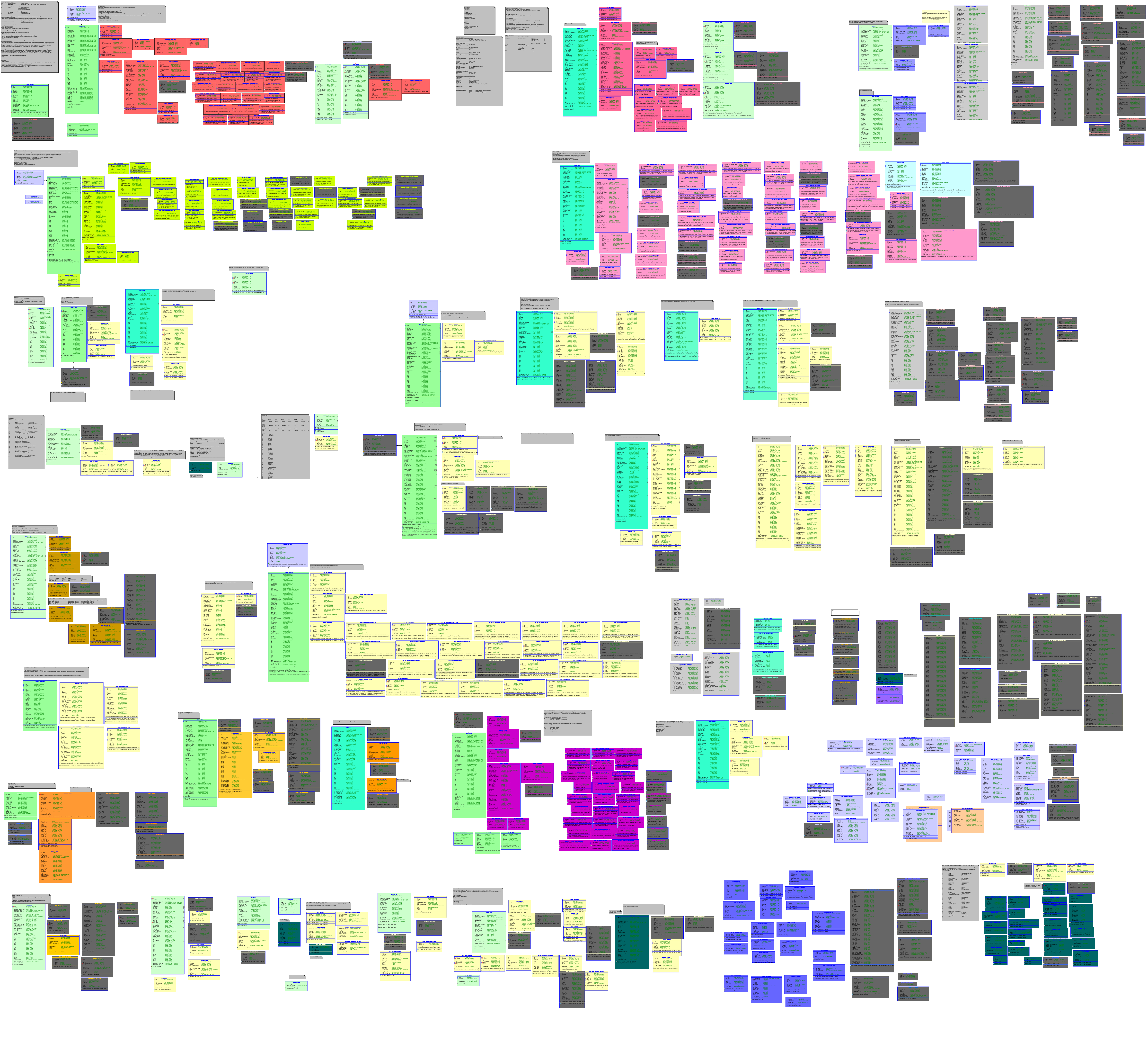

INTERFACE INTERSPEC-UNILAB

Nbr	Interspec-object-type	Unilab-object-type
1	specification	sample-type (INTERSPEC.part-no = UNILAB.sample-type)
2	property-group	parameter-profile
3	property	parameter-definition , sample-type-group-key , sample-type-standard-attribute , sample-type-user-defined-attribute
4	test-method	method-definition
5	key-word	sample-type-group-key

When the interface-starts, it searches all specifications that became APPROVED in the last 14 days.
-you can manually transfer objects
-run the database-job, make sure all necessary parameter-profiles/parameters/methods are created before copying the values.
Alle transfered-specifications are stored in a history-table (ITLIMSJOB_H), which you can consult in interspec.
The interface works on 2 levels: -configuration-change in interspec
-new specification in interspec

A configuration-change in INTERSPEC creates in UNILAB the corresponding:
-UTPR: parameter-definitions
-UTMT: methode-definitions
-UTPRMT: links between method definitions and parameter definitions
-UTGKST (utstgkxx): sample-type-group-key-definitions

A new specification in INTERSPEC will create in UNILAB the required:
-UTST: sample-type
-UTPP: parameter-profile, UTSTPP: link-between-parameter-profile-and-sample-type
, UTPPSP[A/B/C]: specification-set data, UTPPPR: parameters and methods to be used.
-UTSTGK: sample-type-group-key-values
-UTSTAU: sample-type user-defined-attribute-values
-UTPPPRAU: user-defined-attributes on the link between parameter-profile and parameter

The link between a parameter-profile and a parameter-definition in UNILAB has a number of characteristics. these characteristics are grouped into specification-sets (utppsp[a/b/c]). Every link has 3 specification-sets (a/b/c). A display-format in INTERSPEC defines how a property group or property is displayed. The fields of the display format can be mapped with one of the UNILAB-fields of a specification-set. Only NUMERIC-specification-data can be mapped with the UNILAB-specification-sets.

A company will often have only 1 INTERSPEC-database at corporate-level, while UNILAB-databases often run per plant, or set of plants. All specifications that need to be processed will be grouped by their associated plant and will be exported to the UNILAB database that corresponds to that plant and will be exported to the UNILAB table ITLIMSPLANT that stores the SQL*NET connect-string per plant. The database-LINK will have to be created dynamically !! Errors will be logged in the ITERROR-table.

The configuration of the interface includes the configuration of:
-plants
-display-formats
-key-words
-templates
-preference-settings
All thes items can be configured in the CONFIGURATION-application through menu-PROPERTY - DISPLAY-FORMAT- SETUP-LIMS.
The preference-settings can be found in menu-OTHER- PREFERENCES.
The ID of objects that will be transferred to UNILAB, is the description in the language-LIMS. When you use this mechanism of LIMS-descriptions, you have to set the language of the PLANT to LIMS.

UTRQ=Request
A request represents an additional goruping of samples on top of the group-key-mechanism.
characteristics:
-each sample in a request can have different sample-types
-requests have their own life-cycle and info-cards
-lists of requests can be retrieved using group-keys as well
-an analysis request can have one or more samples assigned to it. Vice Versa, one sample can belong to several requests. However, only one request to which the sample belongs is set as the master request of that sample. The ID of this request is kept in the sample properties.
Request heeft relaties met:
-SAMPLE-TYPES/SAMPLES
-INFO-PROFILES/INFO-CARDS
-PARAMETER-PROFILES/PARAMETER-GROUPS

SC = Sample Code = Operationeel
Een sample heeft een life-cycle (a sample-type niet !). Conditions, Actions, Statuses, and even entire Life-cycles can be edited, customized and created.
Attributes of samples can be inherited from the corresponding sample-type, or can be manually assigned by the user.
Group-keys can be inherited from the corresponding sample-type, or set automatically by so-called assignment-rules.
Sample heeft:-Administrative-Information (Info-Profiles/Cards + Info Field-Definitions/Info-Fields)
-Quality-information-collection, evaluation and storage
(Parameter-Profiles + Parameter Definitions)
Samples hebben relatie met:
-REQUEST-TYPES/REQUESTS
-INFO-PROFILES/INFO-CARDS
-PARAMETER-PROFILES/PARAMETER-GROUPS