

## Oracle Designer

Report : TABLE DEFINITION  
Filename : c:\public\tab  
Run by : KAH  
Report Date : 21 April 2004  
Total Pages : 65

### Parameter Values

Workarea : AREA8  
Container : ISO Metadata  
Container Version :  
Recurse Sub-Containers : N  
Tab/View/Snap Name : %  
Diagram :  
  
Includes  
  Tables : Yes  
  Views : Yes  
  Snapshots : Yes  
  Column Details : Yes  
  
Tables Created  
  On/After :  
and On/Before : 21 April 2004  
  
Tables Changed  
  On/After :  
  On/Before : 21 April 2004

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ADD\_DATEPRCN Alias :  
Display Title :Description : Dictionary of date precisions applicable to a date field (e.g. second,  
day, year)Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|---------------|----------------|---------------|
| 5               | NAME          | NOT NULL       | VARCHAR2 (20) |

Primary Key

| <u>Name</u>         | <u>Column</u> |
|---------------------|---------------|
| DIC_ADD_DATEPRCN_PK | NAME          |

Column Detail

|   |      |  |
|---|------|--|
| 5 | NAME | Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ; |
|---|------|--|

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ADD\_EPSG Alias :  
Display Title :Description : EPSG Reference Systems. This could need splitting into vertical,  
horizontal + vertical. Also some coordinate systems specify the units  
of measure, so these may be redundant in the main ISO 19115:2003  
implementation

Notes : Changed Code to Number(9) KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|---------------|----------------|---------------|
| 10              | CODE          | NOT NULL       | NUMBER (9, 0) |

Primary Key

| <u>Name</u>     | <u>Column</u> |
|-----------------|---------------|
| DIC_ADD_EPSG_PK | CODE          |

Column Detail

10 CODE  
 EPSG Code  
 Optional ? :No ; Number (9, 0) ;( ) ; ; Uppercase ? :No ;

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ADD\_LANGUAGE Alias :  
Display Title :

Description : ISO 639-2

Notes : In ISO 639/2 two code sets are provided, one for bibliographic applications (ISO 639-2/B), and one for terminology applications (ISO 639-2/T). Criteria for selecting the form of a language code for code set B were:

preference of the countries using the language  
 established usage of codes in national and international bibliographic databases, and  
 the vernacular or English form of the language.

Code set T was based on:  
 the vernacular form of the language, or  
 preference of the countries using the language

I (KAH) have arbitrarily decided to use ISO 639-2/T only.

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|---------------|----------------|---------------|
| 10              | CODE          | NOT NULL       | CHAR (3)      |
| 20              | TERM          | NOT NULL       | VARCHAR2 (60) |

Primary Key

| <u>Name</u>         | <u>Column</u> |
|---------------------|---------------|
| DIC_ADD_LANGUAGE_PK | CODE          |

Other Unique Keys

| <u>Name</u>          | <u>Column</u> |
|----------------------|---------------|
| DIC_ADD_LANGUAGE_UK1 | TERM          |

Column Detail

|    |      |  |
|----|------|--|
| 10 | CODE | Optional ? :No ; Char (3) ; ( ) ; ; Uppercase ? :No ;<br>ISO 639-2/T 3 letter code |
| 20 | TERM |  |

### Table Definition

Container : ISO Metadata      Version :

#### Column Detail

Optional ? :No ; Varchar2 (60) ;( ) ; ; Uppercase ? :No ;  
ISO 639-2 English term (language)

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ADD\_TM\_RELATIVEPOSITION Alias :  
Display Title :

Comment : TM\_RelativePosition (ISO 19108 )

Description : This contains part of the &lt;&lt;Data Type&gt;&gt; TM\_RelativePosition from ISO 19108. The subset used should be 'Before', 'After' and 'Equals'

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>  |
|-----------------|---------------|----------------|--------------|
| 5               | NAME          | NOT NULL       | VARCHAR2 (6) |

Primary Key

| <u>Name</u>                    | <u>Column</u> |
|--------------------------------|---------------|
| DIC_ADD_TM_RELATIVEPOSITION_PK | NAME          |

Column Detail

|   |      |   |
|---|------|---|
| 5 | NAME | Optional ? :No ; Varchar2 (6) ;() ; ; Uppercase ? :No ; |
|---|------|---|

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ADD\_UOMLENGTH Alias :  
Display Title :

Comment : UomLength (from ISO 19103)

Description : Any of the measuring systems to measure the length, distance between two entities. Example are the English System of feet and inches or the metric system of millimetres, centimetres and meters, also the System International (SI) System of Units.

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|---------------|----------------|---------------|
| 5               | NAME          | NOT NULL       | VARCHAR2 (20) |

Primary Key

| <u>Name</u>          | <u>Column</u> |
|----------------------|---------------|
| DIC_ADD_UOMLENGTH_PK | NAME          |

Column Detail

5 NAME

Optional ? :No ; Varchar2 (20) ;( ) ; ; Uppercase ? :No ;

Any of the measuring systems to measure the length, distance between two entities. Example are the English System of feet and inches or the metric system of millimetres, centimetres and meters, also the System International (SI) System of Units.

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ISO\_CHARSETCD Alias :  
Display Title :

Comment : MD\_CharacterSetCode (#B5.10)

Description : name of the character coding standard used for the resource

Notes : Added ISO\_ into table name KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|---------------|----------------|-----------------|
| 10              | DOMAIN_CODE   | NOT NULL       | VARCHAR2 (5)    |
| 20              | NAME          | NOT NULL       | VARCHAR2 (20)   |
| 30              | DEFINITION    | NOT NULL       | VARCHAR2 (2000) |

Primary Key

| <u>Name</u>          | <u>Column</u> |
|----------------------|---------------|
| DIC_ISO_CHARSETCD_PK | DOMAIN_CODE   |

Other Unique Keys

| <u>Name</u>           | <u>Column</u> |
|-----------------------|---------------|
| DIC_ISO_CHARSETCD_UK1 | NAME          |

Column Detail

|    |             |   |  |
|----|-------------|---|--|
| 10 | DOMAIN_CODE | CharSetCd   | Optional ? :No ; Varchar2 (5) ;() ; ; Uppercase ? :No ;    |
| 20 | NAME        | MD_CharacterSetCode   | Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;   |
| 30 | DEFINITION  | name of the character coding standard used for the resource | Optional ? :No ; Varchar2 (2000) ;() ; ; Uppercase ? :No ; |



**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ISO\_COUNTRY Alias :  
Display Title :

Description : ISO 3166-1

Notes : Added ISO\_ into table name KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|---------------|----------------|---------------|
| 10              | CODE          | NOT NULL       | CHAR (2)      |
| 20              | COUNTRY       | NOT NULL       | VARCHAR2 (60) |

Primary Key

| <u>Name</u>        | <u>Column</u> |
|--------------------|---------------|
| DIC_ISO_COUNTRY_PK | CODE          |

Other Unique Keys

| <u>Name</u>         | <u>Column</u> |
|---------------------|---------------|
| DIC_ISO_COUNTRY_UK1 | COUNTRY       |

Column Detail

10 CODE  
Optional ? :No ; Char (2) ;( ) ; ; Uppercase ? :No ;  
ISO 3166-1 2 letter code

20 COUNTRY  
country (#385)  
Optional ? :No ; Varchar2 (60) ;( ) ; ; Uppercase ? :No ;  
country of the physical address

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ISO\_DATETYPED Alias :  
Display Title :

Comment : CI\_DateTypeCode (#B5.2)

Description : identification of when a given event occurred

Notes : Added ISO\_ into table name KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|---------------|----------------|-----------------|
| 10              | DOMAIN_CODE   | NOT NULL       | VARCHAR2 (5)    |
| 20              | NAME          | NOT NULL       | VARCHAR2 (20)   |
| 30              | DEFINITION    | NOT NULL       | VARCHAR2 (2000) |

Primary Key

| <u>Name</u>          | <u>Column</u> |
|----------------------|---------------|
| DIC_ISO_DATETYPED_PK | DOMAIN_CODE   |

Other Unique Keys

| <u>Name</u>           | <u>Column</u> |
|-----------------------|---------------|
| DIC_ISO_DATETYPED_UK1 | NAME          |

Column Detail

|    |             |                 |   |
|----|-------------|-----------------|---|
| 10 | DOMAIN_CODE | DateTypCd       | Optional ? :No ; Varchar2 (5) ;() ; ; Uppercase ? :No ;   |
| 20 | NAME        | CI_DateTypeCode | Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;  |
| 30 | DEFINITION  |                 | Optional ? :No ; Varchar2 (2000) ;() ; ; Uppercase ? :No ;<br>identification of when a given event occurred |

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ISO\_ONFUNCTCD Alias :  
Display Title :

Comment : CI\_OnLineFunctionCode (#B5.3)

Description : function performed by the resource

Notes : Added ISO\_ into table name KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|---------------|----------------|-----------------|
| 10              | DOMAIN_CODE   | NOT NULL       | VARCHAR2 (5)    |
| 20              | NAME          | NOT NULL       | VARCHAR2 (20)   |
| 30              | DEFINITION    | NOT NULL       | VARCHAR2 (2000) |

Primary Key

| <u>Name</u>          | <u>Column</u> |
|----------------------|---------------|
| DIC_ISO_ONFUNCTCD_PK | DOMAIN_CODE   |

Other Unique Keys

| <u>Name</u>           | <u>Column</u> |
|-----------------------|---------------|
| DIC_ISO_ONFUNCTCD_UK1 | NAME          |

Column Detail

|    |             |                                    |   |
|----|-------------|------------------------------------|---|
| 10 | DOMAIN_CODE | OnFunctCd                          | Optional ? :No ; Varchar2 (5) ;( ) ; ; Uppercase ? :No ;    |
| 20 | NAME        | CI_OnLineFunctionCode              | Optional ? :No ; Varchar2 (20) ;( ) ; ; Uppercase ? :No ;   |
| 30 | DEFINITION  | function performed by the resource | Optional ? :No ; Varchar2 (2000) ;( ) ; ; Uppercase ? :No ; |

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ISO\_ROLECD Alias :  
Display Title :

Comment : CI\_RoleCode (#B5.5)

Description : function performed by the responsible party

Notes : Added ISO\_ into table name KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|---------------|----------------|-----------------|
| 10              | DOMAIN_CODE   | NOT NULL       | VARCHAR2 (5)    |
| 20              | NAME          | NOT NULL       | VARCHAR2 (25)   |
| 30              | DEFINITION    | NOT NULL       | VARCHAR2 (2000) |

Primary Key

| <u>Name</u>       | <u>Column</u> |
|-------------------|---------------|
| DIC_ISO_ROLECD_PK | DOMAIN_CODE   |

Other Unique Keys

| <u>Name</u>        | <u>Column</u> |
|--------------------|---------------|
| DIC_ISO_ROLECD_UK1 | NAME          |

Column Detail

|    |             |   |   |
|----|-------------|---|---|
| 10 | DOMAIN_CODE | RoleCd                                      | Optional ? :No ; Varchar2 (5) ;( ) ; ; Uppercase ? :No ;    |
| 20 | NAME        | CI_RoleCode                                 | Optional ? :No ; Varchar2 (25) ;( ) ; ; Uppercase ? :No ;   |
| 30 | DEFINITION  | function performed by the responsible party | Optional ? :No ; Varchar2 (2000) ;( ) ; ; Uppercase ? :No ; |

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ISO\_SPATREPTYPCD Alias :  
Display Title :

Comment : MD\_SpatialRepresentationTypeCode (#B5.26)

Description : method used to represent geographic information in the dataset

Notes : Added ISO\_ into table name KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|---------------|----------------|-----------------|
| 10              | DOMAIN_CODE   | NOT NULL       | VARCHAR2 (5)    |
| 20              | NAME          | NOT NULL       | VARCHAR2 (20)   |
| 30              | DEFINITION    | NOT NULL       | VARCHAR2 (2000) |

Primary Key

| <u>Name</u>             | <u>Column</u> |
|-------------------------|---------------|
| DIC_ISO_SPATREPTYPCD_PK | DOMAIN_CODE   |

Other Unique Keys

| <u>Name</u>              | <u>Column</u> |
|--------------------------|---------------|
| DIC_ISO_SPATREPTYPCD_UK1 | NAME          |

Column Detail

|    |  |
|----|--|
| 10 | DOMAIN_CODE<br>SpatRepTypCd<br>Optional ? :No ; Varchar2 (5) ;() ; ; Uppercase ? :No ;   |
| 20 | NAME<br>MD_SpatialRepresentationTypeCode<br>Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;                                       |
| 30 | DEFINITION<br>Optional ? :No ; Varchar2 (2000) ;() ; ; Uppercase ? :No ;<br>method used to represent geographic information in the dataset |

**Table Definition**

Container : ISO Metadata Version :

Table Name : DIC\_ISO\_TOPICCATCD Alias :  
Display Title :

Comment : MD\_TopicCategoryCode (#B5.27)

Description : high-level geographic data thematic classification to assist in the grouping and search of available geographic data sets. Can be used to group keywords as well.  
Listed examples are not exhaustive.  
NOTE It is understood there are overlaps between general categories and the user is encouraged to select the one most appropriate.

Notes : Added ISO\_ into table name KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|---------------|----------------|-----------------|
| 10              | DOMAIN_CODE   | NOT NULL       | VARCHAR2 (5)    |
| 20              | NAME          | NOT NULL       | VARCHAR2 (40)   |
| 30              | DEFINITION    | NOT NULL       | VARCHAR2 (2000) |

Primary Key

| <u>Name</u>           | <u>Column</u> |
|-----------------------|---------------|
| DIC_ISO_TOPICCATCD_PK | DOMAIN_CODE   |

Other Unique Keys

| <u>Name</u>            | <u>Column</u> |
|------------------------|---------------|
| DIC_ISO_TOPICCATCD_UK1 | NAME          |

Column Detail

|    |             |   |  |
|----|-------------|---|--|
| 10 | DOMAIN_CODE | TopicCatCd  | Optional ? :No ; Varchar2 (5) ;() ; ; Uppercase ? :No ;    |
| 20 | NAME        | MD_TopicCategoryCode  | Optional ? :No ; Varchar2 (40) ;() ; ; Uppercase ? :No ;   |
| 30 | DEFINITION  | high-level geographic data thematic classification to assist in the grouping and search of available geographic data sets. Can be used to group keywords as | Optional ? :No ; Varchar2 (2000) ;() ; ; Uppercase ? :No ; |

**Table Definition**

Container : ISO Metadata      Version :

Column Detail

well.

Listed examples are not exhaustive.

NOTE It is understood there are overlaps between general categories and the user is encouraged to select the one most appropriate.

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_CITATION Alias :  
Display Title :

Synonyms: CITATION

Comment : CI\_Citation (#359)

Description : standardized resource reference

Notes : This is a separate table because, although it has a 1:1 relationship with DATAIDENT, it may be used on its own to record details on non-geographic data ... such as a thesaurus reference/identification.

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>   | <u>Nulls ?</u> | <u>Type</u>    |
|-----------------|-----------------|----------------|----------------|
| 5               | ADD_CITATION_ID | NOT NULL       | NUMBER (15)    |
| 20              | RESTITLE        | NOT NULL       | VARCHAR2 (160) |

Primary Key

| <u>Name</u>     | <u>Column</u>   |
|-----------------|-----------------|
| ISO_CITATION_PK | ADD_CITATION_ID |

Index Summary

| <u>Name</u>     | <u>Seq.</u> | <u>Column</u> | <u>Index Type</u> |
|-----------------|-------------|---------------|-------------------|
| ISO_CITATION_U1 | 0           | RESTITLE      | UNIQUE            |

Column Detail

|    |                 |  |
|----|-----------------|--|
| 5  | ADD_CITATION_ID | Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;<br>unique identifier for the citation  |
| 20 | RESTITLE        | title (#360)<br>Optional ? :No ; Varchar2 (160) ;( ) ; ; Uppercase ? :No ;<br>name by which the cited resource is known<br>from<br>Citation (#359) - standardized resource reference<br>from<br>idCitation (#24) - citation data for the resource(s) |



**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_DATACHAR Alias :  
Display Title :

Comment : characterSet (#40)

Description : full name of the character coding standard used for the dataset

Notes : "C/ISO/IEC 10646-1 not used?" - so make it mandatory anyway

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|------------------|----------------|---------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)   |
| 20              | DATACHAR         | NOT NULL       | VARCHAR2 (20) |

Primary Key

| <u>Name</u>     | <u>Column</u>                |
|-----------------|------------------------------|
| ISO_DATACHAR_PK | ADD_DATAIDENT_ID<br>DATACHAR |

Foreign Keys

## ISO\_DATACHAR\_FK1

ADD\_DATAIDENT\_ID references ISO\_DATAIDENT.ADD\_DATAIDENT\_ID  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? Yes Delete Rule : Restricted

## ISO\_DATACHAR\_FK2

DATACHAR references DIC\_ISO\_CHARSETCD.NAME  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? Yes Delete Rule : Restricted

Column Detail

10 ADD\_DATAIDENT\_ID  
Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique identifier for the "dataset"

20 DATACHAR  
characterSet (#40)  
Optional ? :No ; Varchar2 (20) ;( ) ; ; Uppercase ? :No ;

### Table Definition

Container : ISO Metadata      Version :

#### Column Detail

full name of the character coding standard used for the dataset

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_DATAIDENT Alias :  
Display Title :

Comment : MD\_DataIdentification (#36)

Description : information required to identify a dataset

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|------------------|----------------|-----------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)     |
| 20              | MDFILEID         | NOT NULL       | VARCHAR2 (15)   |
| 30              | ADD_CITATION_ID  | NOT NULL       | NUMBER (15)     |
| 40              | IDABS            | NOT NULL       | VARCHAR2 (4000) |
| 50              | STATEMENT        | NOT NULL       | VARCHAR2 (4000) |

Primary Key

| <u>Name</u>      | <u>Column</u>    |
|------------------|------------------|
| ISO_DATAIDENT_PK | ADD_DATAIDENT_ID |

Foreign Keys

## ISO\_DATAIDENT\_FK1

|                |            |                          |
|----------------|------------|--------------------------|
| MDFILEID       | references | ISO_METADATA.MDFILEID    |
| Transferable ? | Yes        | Update Rule : Restricted |
| Mandatory ?    | Yes        | Delete Rule : Restricted |

## ISO\_DATAIDENT\_FK2

|                 |            |                              |
|-----------------|------------|------------------------------|
| ADD_CITATION_ID | references | ISO_CITATION.ADD_CITATION_ID |
| Transferable ?  | Yes        | Update Rule : Restricted     |
| Mandatory ?     | Yes        | Delete Rule : Restricted     |

Column Detail

|    |                  |  |
|----|------------------|--|
| 10 | ADD_DATAIDENT_ID | Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;<br>Unique identifier for the "dataset" |
| 20 | MDFILEID         | fileIdentifier (#2)  |

**Table Definition**

Container : ISO Metadata Version :

Column Detail

Optional ? :No ; Varchar2 (15) ;( ) ; ; Uppercase ? :No ;  
 unique identifier for this metadata file

Notes This is defined as character (to be compliant with ISO  
 19115:2003) but will be populated via a sequence

30 ADD\_CITATION\_ID

Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
 unique identifier for the citation

40 IDABS

abstract (#25)

Optional ? :No ; Varchar2 (4000) ;( ) ; ; Uppercase ? :No ;  
 brief narrative summary of the content of the resource(s)

50 STATEMENT

statement (#83)

Optional ? :No ; Varchar2 (4000) ;( ) ; ; Uppercase ? :No ;  
 general explanation of the data producer's knowledge about the lineage of a  
 dataset

Notes This has been implemented considerably differently to ISO  
 19115:2003 indications. We decided that each "dataset" should  
 only have one lineage statement ... so rather than implement a  
 lot of the DQ\_ area, we've done it this way.

### Table Definition

Container : ISO Metadata      Version :

Table Name : ISO\_DATALANG      Alias :  
    Display Title :

Comment : language (#39)

Description : language(s) used within the dataset

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows :                                      End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|------------------|----------------|---------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)   |
| 20              | DATALANG         | NOT NULL       | VARCHAR2 (60) |

Primary Key

| <u>Name</u>     | <u>Column</u>                |
|-----------------|------------------------------|
| ISO_DATALANG_PK | ADD_DATAIDENT_ID<br>DATALANG |

Foreign Keys

ISO\_DATALANG\_FK1  
 ADD\_DATAIDENT\_ID references ISO\_DATAIDENT.ADD\_DATAIDENT\_ID  
 Transferable ? Yes                      Update Rule : Restricted  
 Mandatory ? Yes                      Delete Rule : Restricted

ISO\_DATALANG\_FK2  
 DATALANG references DIC\_ADD\_LANGUAGE.TERM  
 Transferable ? Yes                      Update Rule : Restricted  
 Mandatory ? Yes                      Delete Rule : Restricted

Column Detail

10    ADD\_DATAIDENT\_ID  
       Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;  
       Unique identifier for the "dataset"

20    DATALANG  
       language (#39)  
       Optional ? :No ; Varchar2 (60) ;() ; ; Uppercase ? :No ;  
       language(s) used within the dataset

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_DATEREF Alias :  
Display Title :

Comment : CI\_Date (#393)

Description : reference date and event used to describe it

Notes : 1) This should be in universal time for the purposes fo BGS metadata  
2) There must be at least one entry in this table for each  
DataIdent/Citation for the ISO 19115:2003 Core

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>           | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|-------------------------|----------------|---------------|
| 5               | ADD_CITATION_ID         | NOT NULL       | NUMBER (15)   |
| 10              | REFDATETYPE             | NOT NULL       | VARCHAR2 (20) |
| 30              | REFDATE                 | NOT NULL       | DATE          |
| 40              | ADD_REFDATEPRECISION    | NOT NULL       | VARCHAR2 (20) |
| 50              | ADD_TM_RELATIVEPOSITION | NOT NULL       | VARCHAR2 (6)  |

Primary Key

| <u>Name</u>    | <u>Column</u>                  |
|----------------|--------------------------------|
| ISO_DATEREF_PK | ADD_CITATION_ID<br>REFDATETYPE |

Column Detail

|    |                      |  |
|----|----------------------|--|
| 5  | ADD_CITATION_ID      | Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;<br>unique identifier for the citation                 |
| 10 | REFDATETYPE          | dateType (#395)<br>Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;<br>event used for reference date |
| 30 | REFDATE              | date<br>Optional ? :No ; Date ;() ; ; Uppercase ? :No ;<br>reference date for the cited resource             |
| 40 | ADD_REFDATEPRECISION |  |

**Table Definition**

Container : ISO Metadata Version :

Foreign Keys

## ISO\_DATEREF\_FK1

ADD\_CITATION\_ID references ISO\_CITATION.ADD\_CITATION\_ID  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_DATEREF\_FK2

REFDATEATYPE references DIC\_ISO\_DATETYPED.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_DATEREF\_FK3

ADD\_REFDATEPRECISION references DIC\_ADD\_DATEPRCN.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_DATEREF\_FK4

ADD\_TM\_RELATIVEPOSITION references DIC\_ADD\_TM\_RELATIVEPOSITION.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

Column Detail

Optional ? :No ; Varchar2 (20) ;( ) ; ; Uppercase ? :No ;  
 precision of reference date for the cited resource

## 50 ADD\_TM\_RELATIVEPOSITION

TM\_RelativePosition (ISO 19108 )

Optional ? :No ; Varchar2 (6) ;( ) ; ; Uppercase ? :No ; Default Value :Equals ;  
 This contains part of the <<Data Type>> TM\_RelativePosition from ISO 19108.  
 The subset used should be 'Before', 'After' and 'Equals' with a default value  
 of 'Equals'

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_DIGTRANOPS Alias :  
Display Title :

Comment : MD\_DigitalTransferOptions (#274)

Description : technical means and media by which a resource is obtained from the distributor

Notes : There could also be an additional table related to FORMAT, rather than DATAIDENT

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u> |
|-----------------|------------------|----------------|-------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15) |
| 20              | ADD_ONLINERES_ID | NOT NULL       | NUMBER (15) |

Primary Key

| <u>Name</u>       | <u>Column</u>                        |
|-------------------|--------------------------------------|
| ISO_DIGTRANOPS_PK | ADD_DATAIDENT_ID<br>ADD_ONLINERES_ID |

Foreign Keys

## ISO\_DIGTRANOPS\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

## ISO\_DIGTRANOPS\_FK2

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_ONLINERES_ID | references | ISO_ONLINERES.ADD_ONLINERES_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | Yes        | Delete Rule : Restricted       |

Column Detail

|    |                  |  |
|----|------------------|--|
| 10 | ADD_DATAIDENT_ID | Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;<br>Unique identifier for the "dataset" |
| 20 | ADD_ONLINERES_ID |  |



### Table Definition

Container : ISO Metadata      Version :

#### Column Detail

Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique Identifier for the on-line resource

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_EMAILADD Alias :  
Display Title :

Comment : electronicMailAddress (#386)

Description : address of the electronic mailbox of the responsible organization or individual

Notes : The whole system of addresses and contacts is unimplementable within the time available - so this area has been rationised to reflect reality and practicality. The data need checking regularly.

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>   | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|-----------------|----------------|---------------|
| 10              | ADD_RESPARTY_ID | NOT NULL       | NUMBER (15)   |
| 20              | EMAILADD        | NOT NULL       | VARCHAR2 (80) |

Primary Key

| <u>Name</u>     | <u>Column</u>               |
|-----------------|-----------------------------|
| ISO_EMAILADD_PK | ADD_RESPARTY_ID<br>EMAILADD |

Foreign Keys

ISO\_EMAILADD\_FK1

|                 |            |                               |
|-----------------|------------|-------------------------------|
| ADD_RESPARTY_ID | references | ISO_RESPPARTY.ADD_RESPARTY_ID |
| Transferable ?  | Yes        | Update Rule : Restricted      |
| Mandatory ?     | No         | Delete Rule : Restricted      |

Column Detail

|    |                 |   |
|----|-----------------|---|
| 10 | ADD_RESPARTY_ID | Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;<br>Unique identifier of the responsible party  |
| 20 | EMAILADD        | electronicMailAddress (#386)<br>Optional ? :No ; Varchar2 (80) ;() ; ; Uppercase ? :No ;<br>address of the electronic mailbox of the responsible organization or individual |

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_EXTEMP\_GEOBNDBOX Alias :  
Display Title :

Comment : extent (#351)

Description : date and time for the content of the dataset (for the geographic bounding box)

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>                 | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|-------------------------------|----------------|---------------|
| 5               | EXTEMP_ID                     | NOT NULL       | NUMBER (15)   |
| 10              | ADD_GEOBNDBOX_ID              | NOT NULL       | NUMBER (15)   |
| 20              | BEGIN_REFDATE                 | NOT NULL       | DATE          |
| 30              | BEGIN_ADD_REFDATEPRECISION    | NOT NULL       | VARCHAR2 (20) |
| 40              | BEGIN_ADD_TM_RELATIVEPOSITION | NOT NULL       | VARCHAR2 (6)  |
| 50              | END_REFDATE                   | NOT NULL       | DATE          |
| 60              | END_ADD_REFDATEPRECISION      | NOT NULL       | VARCHAR2 (20) |
| 70              | END_ADD_TM_RELATIVEPOSITION   | NOT NULL       | VARCHAR2 (6)  |

Primary Key

| <u>Name</u>             | <u>Column</u> |
|-------------------------|---------------|
| ISO_EXTEMP_GEOBNDBOX_PK | EXTEMP_ID     |

Column Detail

5 EXTEMP\_ID  
Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique identifier for the "temporal extent" of the "spatial extent"

10 ADD\_GEOBNDBOX\_ID  
Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique identifier for the "geographic bounding box" for the "dataset"

20 BEGIN\_REFDATE  
date  
Optional ? :No ; Date ;( ) ; ; Uppercase ? :No ;  
reference date for the cited resource

30 BEGIN\_ADD\_REFDATEPRECISION

**Table Definition**

Container : ISO Metadata Version :

Foreign Keys

## ISO\_EXTEMP\_GEOBNDBOX\_FK1

BEGIN\_ADD\_REFDATEPRECISION references DIC\_ADD\_DATEPRCN.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEOBNDBOX\_FK2

BEGIN\_ADD\_TM\_RELATIVEPOSITION references  
 DIC\_ADD\_TM\_RELATIVEPOSITION.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEOBNDBOX\_FK3

END\_ADD\_REFDATEPRECISION references DIC\_ADD\_DATEPRCN.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEOBNDBOX\_FK4

END\_ADD\_TM\_RELATIVEPOSITION references  
 DIC\_ADD\_TM\_RELATIVEPOSITION.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEOBNDBOX\_FK5

ADD\_GEOBNDBOX\_ID references ISO\_GEOBNDBOX.ADD\_GEOBNDBOX\_ID  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? No Delete Rule : Restricted

Check Constraints

| <u>Name</u>              | <u>Where Validate Clause</u> |
|--------------------------|------------------------------|
| ISO_EXTEMP_GEOBNDBOX_CK1 | END_REFDATE>=BEGIN_REFDATE   |

Column Detail

Optional ? :No ; Varchar2 (20) ;( ) ; ; Uppercase ? :No ;  
 precison of reference date for the cited resource

40 BEGIN\_ADD\_TM\_RELATIVEPOSITION  
 TM\_RelativePosition (ISO 19108 )  
 Optional ? :No ; Varchar2 (6) ;( ) ; ; Uppercase ? :No ; Default Value :Equals ;  
 This contains part of the <<Data Type>> TM\_RelativePosition from ISO 19108.  
 The subset used should be 'Before', 'After' and 'Equals' with a default value  
 of 'Equals'

50 END\_REFDATE  
 date

**Table Definition**

Container : ISO Metadata Version :

Column Detail

Optional ? :No ; Date ;() ; ; Uppercase ? :No ;  
reference date for the cited resource

60 END\_ADD\_REFDATEPRECISION

Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;  
precision of reference date for the cited resource

70 END\_ADD\_TM\_RELATIVEPOSITION

TM\_RelativePosition (ISO 19108 )

Optional ? :No ; Varchar2 (6) ;() ; ; Uppercase ? :No ; Default Value :Equals ;  
This contains part of the <<Data Type>> TM\_RelativePosition from ISO 19108.  
The subset used should be 'Before', 'After' and 'Equals' with a default value  
of 'Equals'

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_EXTEMP\_GEODESC Alias :  
Display Title :

Comment : extent (#351)

Description : date and time for the content of the dataset (for the geographic area)

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>                 | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|-------------------------------|----------------|---------------|
| 5               | EXTEMP_ID                     | NOT NULL       | NUMBER (15)   |
| 15              | ADD_GEODESC_ID                | NOT NULL       | NUMBER (15)   |
| 20              | BEGIN_REFDATE                 | NOT NULL       | DATE          |
| 30              | BEGIN_ADD_REFDATEPRECISION    | NOT NULL       | VARCHAR2 (20) |
| 40              | BEGIN_ADD_TM_RELATIVEPOSITION | NOT NULL       | VARCHAR2 (6)  |
| 50              | END_REFDATE                   | NOT NULL       | DATE          |
| 60              | END_ADD_REFDATEPRECISION      | NOT NULL       | VARCHAR2 (20) |
| 70              | END_ADD_TM_RELATIVEPOSITION   | NOT NULL       | VARCHAR2 (6)  |

Primary Key

| <u>Name</u>           | <u>Column</u> |
|-----------------------|---------------|
| ISO_EXTEMP_GEODESC_PK | EXTEMP_ID     |

Column Detail

5 EXTEMP\_ID  
Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;  
Unique identifier for the "temporal extent" of the "spatial extent"

15 ADD\_GEODESC\_ID  
Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;  
Unique identifier for the "geographic area description"

20 BEGIN\_REFDATE  
date  
Optional ? :No ; Date ;() ; ; Uppercase ? :No ;  
reference date for the cited resource

30 BEGIN\_ADD\_REFDATEPRECISION  
Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;

**Table Definition**

Container : ISO Metadata Version :

Foreign Keys

## ISO\_EXTEMP\_GEODESC\_FK1

BEGIN\_ADD\_REFDATEPRECISION references DIC\_ADD\_DATEPRCN.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEODESC\_FK2

BEGIN\_ADD\_TM\_RELATIVEPOSITION references  
 DIC\_ADD\_TM\_RELATIVEPOSITION.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEODESC\_FK3

END\_ADD\_REFDATEPRECISION references DIC\_ADD\_DATEPRCN.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEODESC\_FK4

END\_ADD\_TM\_RELATIVEPOSITION references  
 DIC\_ADD\_TM\_RELATIVEPOSITION.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_EXTEMP\_GEODESC\_FK5

ADD\_GEODESC\_ID references ISO\_GEODESC.ADD\_GEODESC\_ID  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? No Delete Rule : Restricted

Check Constraints

| <u>Name</u>            | <u>Where Validate Clause</u> |
|------------------------|------------------------------|
| ISO_EXTEMP_GEODESC_CK1 | END_REFDATE>=BEGIN_REFDATE   |

Column Detail

precision of reference date for the cited resource

40 BEGIN\_ADD\_TM\_RELATIVEPOSITION

TM\_RelativePosition (ISO 19108 )

Optional ? :No ; Varchar2 (6) ;( ) ; ; Uppercase ? :No ; Default Value :Equals ;

This contains part of the <<Data Type>> TM\_RelativePosition from ISO 19108.  
 The subset used should be 'Before', 'After' and 'Equals' with a default value  
 of 'Equals'

50 END\_REFDATE

date

Optional ? :No ; Date ;( ) ; ; Uppercase ? :No ;

**Table Definition**

Container : ISO Metadata Version :

Column Detail

reference date for the cited resource

60 END\_ADD\_REFDATEPRECISION

Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;

precision of reference date for the cited resource

70 END\_ADD\_TM\_RELATIVEPOSITION

TM\_RelativePosition (ISO 19108 )

Optional ? :No ; Varchar2 (6) ;() ; ; Uppercase ? :No ; Default Value :Equals ;

This contains part of the <<Data Type>> TM\_RelativePosition from ISO 19108.  
The subset used should be 'Before', 'After' and 'Equals' with a default value  
of 'Equals'



Container : ISO Metadata Version :

Table Name : ISO\_FORMAT Alias :  
Display Title :

Comment : MD\_Format (#284)

Description : description of the computer language construct that specifies the representation of data objects in a record, file, message, storage device or transmission channel

Notes : This whole area could get complex - because if we define a distributor, they could have formats attached to them (in which they could supply all data - see #270), then this wouldn't be related to the dataset, but rather to the distributor (which would be related to the dataset)

Renamed table with ISO\_ prefix KAH 20 Apr 2004

### Volumes

Start Rows : End Rows :

### Storage

Index-organized ? No

### Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>    |
|-----------------|------------------|----------------|----------------|
| 5               | ADD_FORMAT_ID    | NOT NULL       | NUMBER (15)    |
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)    |
| 30              | FORMATNAME       | NOT NULL       | VARCHAR2 (240) |
| 40              | FORMATVER        | NOT NULL       | VARCHAR2 (240) |

### Primary Key

| <u>Name</u>   | <u>Column</u> |
|---------------|---------------|
| ISO_FORMAT_PK | ADD_FORMAT_ID |

### Foreign Keys

#### ISO\_FORMAT\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

### Column Detail

|    |                  |   |
|----|------------------|---|
| 5  | ADD_FORMAT_ID    | Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;<br>Unique identifier for the format for the "dataset" |
| 10 | ADD_DATAIDENT_ID | Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;   |

**Table Definition**

Container : ISO Metadata Version :

Column Detail

Unique identifier for the "dataset"

30 FORMATNAME

name (#285)

Optional ? :No ; Varchar2 (240) ;() ; ; Uppercase ? :No ;

name of the data transfer format(s)

40 FORMATVER

version (#286)

Optional ? :No ; Varchar2 (240) ;() ; ; Uppercase ? :No ;

version of the format (date, number, etc.)

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_GEOBNDBOX Alias :  
Display Title :

Comment : EX\_GeographicBoundingBox (#343)

Description : geographic position of the dataset NOTE This is only an approximate  
reference so specifying the coordinate reference system is unnecessary

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|------------------|----------------|---------------|
| 5               | ADD_GEOBNDBOX_ID | NOT NULL       | NUMBER (15)   |
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)   |
| 20              | EXTYPECODE       | NOT NULL       | CHAR (1)      |
| 30              | WESTBL           | NOT NULL       | NUMBER (5, 2) |
| 40              | EASTBL           | NOT NULL       | NUMBER (5, 2) |
| 50              | SOUTHBL          | NOT NULL       | NUMBER (4, 2) |
| 60              | NORTHBL          | NOT NULL       | NUMBER (4, 2) |

Primary Key

| <u>Name</u>      | <u>Column</u>    |
|------------------|------------------|
| ISO_GEOBNDBOX_PK | ADD_GEOBNDBOX_ID |

Foreign Keys

ISO\_GEOBNDBOX\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

Column Detail

|    |                  |  |
|----|------------------|--|
| 5  | ADD_GEOBNDBOX_ID | Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;<br>Unique identifier for the "geograhic bounding box" for the "dataset" |
| 10 | ADD_DATAIDENT_ID | Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;<br>Unique identifier for the "dataset"                                  |

**Table Definition**

Container : ISO Metadata Version :

Check Constraints

| <u>Name</u>       | <u>Where Validate Clause</u>                    |
|-------------------|---|
| ISO_GEOBNDBOX_CK1 | westBL between -180 and 180                     |
| ISO_GEOBNDBOX_CK2 | eastBL between -180 and 180                     |
| ISO_GEOBNDBOX_CK3 | southBL between -90 and 90                      |
| ISO_GEOBNDBOX_CK4 | northBL between -90 and 90 and northBL>=southBL |
| ISO_GEOBNDBOX_CK5 | exTypeCode in ('0','1')                         |

Column Detail

|    |   |
|----|---|
| 20 | EXTYPECODE<br>extentTypeCode (#340)<br>Optional ? :No ; Char (1) ;() ; ; Uppercase ? :No ;<br>indication of whether the bounding polygon encompasses an area covered by the data or an area where data is not present<br><u>Notes</u> Although this is optional in ISO 19115, it seems sensible to make it mandatory! |
| 30 | WESTBL<br>westBoundLongitude (#344)<br>Optional ? :No ; Number (5, 2) ;() ; ; Uppercase ? :No ;<br>western-most coordinate of the limit of the dataset extent, expressed in longitude in decimal degrees (positive east)  |
| 40 | EASTBL<br>eastBoundLongitude (#345)<br>Optional ? :No ; Number (5, 2) ;() ; ; Uppercase ? :No ;<br>eastern-most coordinate of the limit of the dataset extent, expressed in longitude in decimal degrees (positive east)  |
| 50 | SOUTHBL<br>southBoundLatitude (#346)<br>Optional ? :No ; Number (4, 2) ;() ; ; Uppercase ? :No ;<br>southern-most coordinate of the limit of the dataset extent, expressed in latitude in decimal degrees (positive north)  |
| 60 | NORTHBL<br>northBoundLatitude (#347)<br>Optional ? :No ; Number (4, 2) ;() ; ; Uppercase ? :No ;<br>northern-most, coordinate of the limit of the dataset extent expressed in latitude in decimal degrees (positive north)  |

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_GEODESC Alias :  
Display Title :

Comment : EX\_GeographicDescription (#348)

Description : description of the geographic area using identifiers

Notes : From: Holmes, Keith A  
Sent: 08 August 2003 08:23  
To: Howcroft, John R; Ault, Linda  
Subject: EXTEMP\_ID in GEODESC

John and Linda

I'll remove Extemp\_Id from GEODESC .. it's left over from an earlier design.

It's useful to document how this came about ... because this is the area of the core design that is most likely to change.

1) Ian Jackson's associate (Per ? who's on the ISO committee) says GEODESC shouldn't be done in this way but I've asked him several times how it should be done and he hasn't responded. [There is another way, but involves use of free text not controlled by a TGN - which I've not included)

2) Jerry Giles's associate (Rob ?) says he can't see how else it could be done.

So I've chosen to follow 2) which avoids the extra complication of following 1) --- but may or may not be right --- no-one knows for sure.

Finally, temporal coordinates could be applied to a dataset rather than the geographic extents of a dataset. I decided eventually to avoid complication by not including this option - and take the position that non-geographic datasets had a GEODESC of "Earth" (or whatever). Was I right in doing this? Let me know ASAP if I wasn't because I can fix it readily.

Keith

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u> |
|-----------------|------------------|----------------|-------------|
| 5               | ADD_GEODESC_ID   | NOT NULL       | NUMBER (15) |
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15) |
| 20              | EXTYPECODE       | NOT NULL       | CHAR (1)    |

**Table Definition**

Container : ISO Metadata Version :

| <u>Col.Seq.</u> | <u>Column</u> | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|---------------|----------------|---------------|
| 40              | IDENTAUTH     | NULL           | NUMBER (15)   |
| 50              | IDENTCODE     | NOT NULL       | VARCHAR2 (80) |

Primary Key

| <u>Name</u>    | <u>Column</u>  |
|----------------|----------------|
| ISO_GEODESC_PK | ADD_GEODESC_ID |

Foreign Keys

## ISO\_GEODESC\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

## ISO\_GEODESC\_FK2

|                |            |                              |
|----------------|------------|------------------------------|
| IDENTAUTH      | references | ISO_CITATION.ADD_CITATION_ID |
| Transferable ? | Yes        | Update Rule : Restricted     |
| Mandatory ?    | No         | Delete Rule : Restricted     |

Check Constraints

| <u>Name</u>     | <u>Where Validate Clause</u> |
|-----------------|------------------------------|
| ISO_GEODESC_CK1 | exTypeCode in ('0','1')      |

Column Detail

|    |                  |   |
|----|------------------|---|
| 5  | ADD_GEODESC_ID   | Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;<br>Unique identifier for the "geographic area description"   |
| 10 | ADD_DATAIDENT_ID | Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;<br>Unique identifier for the "dataset"   |
| 20 | EXTYPECODE       | extentTypeCode (#340)<br>Optional ? :No ; Char (1) ;() ; ; Uppercase ? :No ;<br>indication of whether the bounding polygon encompasses an area covered by the data or an area where data is not present |
|    | <u>Notes</u>     | Although this is optional in ISO 19115, it seems sensible to make it mandatory!   |
| 40 | IDENTAUTH        | authority (#206)  |

**Table Definition**

Container : ISO Metadata Version :

Column Detail

Optional ? :Yes ; Number (15) ;() ; ; Uppercase ? :No ;  
person or party responsible for maintenance of the namespace

Notes Not an exact equivalent to #206 - it's a link to this class (i.e  
the PK of the class)

50 IDENTCODE

code (#207)

Optional ? :No ; Varchar2 (80) ;() ; ; Uppercase ? :No ;  
alphanumeric value identifying an instance in the namespace

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_IDPOC Alias :  
Display Title :

Comment : pointOfContact (#29)

Description : identification of, and means of communication with, person(s) and organization(s) associated with the resource(s)

Notes : The whole system of addresses and contacts is unimplementable within the time available - so this area has been rationised to reflect reality and practicality. The data need checking regularly.

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|------------------|----------------|---------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)   |
| 20              | ADD_RESPARTY_ID  | NOT NULL       | NUMBER (15)   |
| 30              | ROLE             | NOT NULL       | VARCHAR2 (25) |

Primary Key

| <u>Name</u>  | <u>Column</u>                               |
|--------------|---|
| ISO_IDPOC_PK | ADD_DATAIDENT_ID<br>ADD_RESPARTY_ID<br>ROLE |

Foreign Keys

## ISO\_IDPOC\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

## ISO\_IDPOC\_FK2

|                 |            |                               |
|-----------------|------------|-------------------------------|
| ADD_RESPARTY_ID | references | ISO_RESPPARTY.ADD_RESPARTY_ID |
| Transferable ?  | Yes        | Update Rule : Restricted      |
| Mandatory ?     | Yes        | Delete Rule : Restricted      |

## ISO\_IDPOC\_FK3

|                |            |                          |
|----------------|------------|--------------------------|
| ROLE           | references | DIC_ISO_ROLECD.NAME      |
| Transferable ? | Yes        | Update Rule : Restricted |
| Mandatory ?    | Yes        | Delete Rule : Restricted |



**Table Definition**

Container : ISO Metadata Version :

Column Detail

10 ADD\_DATAIDENT\_ID

Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique identifier for the "dataset"

20 ADD\_RESPARTY\_ID

Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique identifier of the responsible party

30 ROLE

role (#379)

Optional ? :No ; Varchar2 (25) ;( ) ; ; Uppercase ? :No ;  
function performed by the responsible party

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_MDCONTACT Alias :  
Display Title :

Comment : contact (#8)

Description : party responsible for the metadata information

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>   | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|-----------------|----------------|---------------|
| 5               | MDFILEID        | NOT NULL       | VARCHAR2 (15) |
| 20              | ADD_RESPARTY_ID | NOT NULL       | NUMBER (15)   |
| 30              | ROLE            | NOT NULL       | VARCHAR2 (25) |

Primary Key

| <u>Name</u>      | <u>Column</u>                       |
|------------------|-------------------------------------|
| ISO_MDCONTACT_PK | MDFILEID<br>ADD_RESPARTY_ID<br>ROLE |

Foreign Keys

## ISO\_MDCONTACT\_FK1

|                |            |                          |
|----------------|------------|--------------------------|
| MDFILEID       | references | ISO_METADATA.MDFILEID    |
| Transferable ? | Yes        | Update Rule : Restricted |
| Mandatory ?    | Yes        | Delete Rule : Restricted |

## ISO\_MDCONTACT\_FK2

|                 |            |                              |
|-----------------|------------|------------------------------|
| ADD_RESPARTY_ID | references | ISO_RESPARTY.ADD_RESPARTY_ID |
| Transferable ?  | Yes        | Update Rule : Restricted     |
| Mandatory ?     | Yes        | Delete Rule : Restricted     |

## ISO\_MDCONTACT\_FK3

|                |            |                          |
|----------------|------------|--------------------------|
| ROLE           | references | DIC_ISO_ROLECD.NAME      |
| Transferable ? | Yes        | Update Rule : Restricted |
| Mandatory ?    | Yes        | Delete Rule : Restricted |

Column Detail

5 MDFILEID

**Table Definition**

Container : ISO Metadata Version :

Column Detail

fileIdentifier (#2)

Optional ? :No ; Varchar2 (15) ;() ; ; Uppercase ? :No ;

unique identifier for this metadata file

Notes

This is defined as character (to be compliant with ISO 19115:2003) but will be populated via a sequence

20 ADD\_RESPARTY\_ID

Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;

Unique identifier of the responsible party

30 ROLE

role (#379)

Optional ? :No ; Varchar2 (25) ;() ; ; Uppercase ? :No ;

function performed by the responsible party

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_METADATA Alias :  
Display Title :

Comment : MD\_Metadata (#1)

Description : root entity which defines metadata about a resource or resources

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>           | <u>Nulls ?</u> | <u>Type</u>    |
|-----------------|-------------------------|----------------|----------------|
| 5               | MDFILEID                | NOT NULL       | VARCHAR2 (15)  |
| 20              | MDSTANNAME              | NULL           | VARCHAR2 (240) |
| 30              | MDSTANVER               | NULL           | VARCHAR2 (240) |
| 35              | MDLANG                  | NOT NULL       | VARCHAR2 (60)  |
| 40              | MDCHAR                  | NOT NULL       | VARCHAR2 (20)  |
| 45              | MDDATEST                | NOT NULL       | DATE           |
| 70              | ADD_REFDATEPRECISION    | NOT NULL       | VARCHAR2 (20)  |
| 80              | ADD_TM_RELATIVEPOSITION | NOT NULL       | VARCHAR2 (6)   |

Primary Key

| <u>Name</u>     | <u>Column</u> |
|-----------------|---------------|
| ISO_METADATA_PK | MDFILEID      |

Column Detail

5 MDFILEID  
fileIdentifier (#2)  
Optional ? :No ; Varchar2 (15) ;() ; ; Uppercase ? :No ;  
unique identifier for this metadata file  
Notes This is defined as character (to be compliant with ISO 19115:2003) but will be populated via a sequence

20 MDSTANNAME  
metadataStandardName (#10)  
Optional ? :Yes ; Varchar2 (240) ;() ; ; Uppercase ? :No ;  
name of the metadata standard (including profile name) used

30 MDSTANVER  
metadataStandardVersion (#11)  
Optional ? :Yes ; Varchar2 (240) ;() ; ; Uppercase ? :No ;

**Table Definition**

Container : ISO Metadata Version :

Foreign Keys

## ISO\_METADATA\_FK1

MDLANG references DIC\_ADD\_LANGUAGE.TERM  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_METADATA\_FK2

MDCHAR references DIC\_ISO\_CHARSETCD.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_METADATA\_FK3

ADD\_REFDATEPRECISION references DIC\_ADD\_DATEPRCN.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

## ISO\_METADATA\_FK4

ADD\_TM\_RELATIVEPOSITION references DIC\_ADD\_TM\_RELATIVEPOSITION.NAME  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? Yes Delete Rule : Restricted

Column Detail

version (profile) of the metadata standard used

## 35 MDLANG

language (#3)

Optional ? :No ; Varchar2 (60) ;() ; ; Uppercase ? :No ;

language used for documenting metadata

Notes The obligation is "C / not defined by encoding?" so best to make it mandatory

## 40 MDCHAR

characterSet (#4)

Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;

full name of the character coding standard used for the metadata set

Notes The obligation is "C / ISO/IEC 10646-1 not used and not defined by encoding?" so best to make it mandatory

## 45 MDDATEST

dateStamp

Optional ? :No ; Date ;() ; ; Uppercase ? :No ;

date that the metadata was created

Notes There's no need for a dateType here because the definition says it's "creation"

## 70 ADD\_REFDATEPRECISION

Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;

**Table Definition**

Container : ISO Metadata Version :

Column Detail

precision of reference date for the cited resource

80 ADD\_TM\_RELATIVEPOSITION

TM\_RelativePosition (ISO 19108 )

Optional ? :No ; Varchar2 (6) ;( ) ; ; Uppercase ? :No ; Default Value :Equals ;

This contains part of the <<Data Type>> TM\_RelativePosition from ISO 19108.  
The subset used should be 'Before', 'After' and 'Equals' with a default value  
of 'Equals'

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_ONLINERES Alias :  
Display Title :

Comment : CI\_OnlineResource (#396)

Description : information about on-line sources from which the dataset,  
specification, or community profile name and extended metadata  
elements can be obtained

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|------------------|----------------|-----------------|
| 10              | ADD_ONLINERES_ID | NOT NULL       | NUMBER (15)     |
| 20              | LINKAGE          | NOT NULL       | VARCHAR2 (1024) |
| 30              | PROTOCOL         | NULL           | VARCHAR2 (256)  |
| 40              | APPPROFILE       | NULL           | VARCHAR2 (256)  |
| 50              | ORNAME           | NULL           | VARCHAR2 (256)  |
| 60              | ORDESC           | NULL           | VARCHAR2 (1024) |
| 70              | ORFUNCT          | NULL           | VARCHAR2 (20)   |

Primary Key

| <u>Name</u>      | <u>Column</u>    |
|------------------|------------------|
| ISO_ONLINERES_PK | ADD_ONLINERES_ID |

Foreign Keys

ISO\_ONLINERES\_FK1

|                |            |                          |
|----------------|------------|--------------------------|
| ORFUNCT        | references | DIC_ISO_ONFUNCTCD.NAME   |
| Transferable ? | Yes        | Update Rule : Restricted |
| Mandatory ?    | No         | Delete Rule : Restricted |

Index Summary

| <u>Name</u>      | <u>Seq.</u> | <u>Column</u> | <u>Index Type</u> |
|------------------|-------------|---------------|-------------------|
| ISO_ONLINERES_U1 | 0           | LINKAGE       | UNIQUE            |
| ISO_ONLINERES_U1 | 2           | ORFUNCT       | UNIQUE            |

Column Detail

**Table Definition**

Container : ISO Metadata Version :

Column Detail

10 ADD\_ONLINERES\_ID  
Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique Identifier for the on-line resource

20 LINKAGE  
linkage (#397)  
Optional ? :No ; Varchar2 (1024) ;( ) ; ; Uppercase ? :No ;  
location (address) for on-line access using a Uniform Resource Locator address  
or similar addressing scheme such as http://www.statkart.no/isotc211

30 PROTOCOL  
protocol (#398)  
Optional ? :Yes ; Varchar2 (256) ;( ) ; ; Uppercase ? :No ;  
connection protocol to be used

40 APPPROFILE  
applicationProfile (#399)  
Optional ? :Yes ; Varchar2 (256) ;( ) ; ; Uppercase ? :No ;  
name of an application profile that can be used with the online resource

50 ORNAME  
name (#400)  
Optional ? :Yes ; Varchar2 (256) ;( ) ; ; Uppercase ? :No ;  
name of the online resource

60 ORDESC  
description (#401)  
Optional ? :Yes ; Varchar2 (1024) ;( ) ; ; Uppercase ? :No ;  
detailed text description of what the online resource is/does

70 ORFUNCT  
function (#402)  
Optional ? :Yes ; Varchar2 (20) ;( ) ; ; Uppercase ? :No ;  
code for function performed by the online resource



**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_REFSYSINFO Alias :  
Display Title :

Comment : Role name: referenceSystemInfo (#13)

Description : description of the spatial and temporal reference systems used in the dataset

Notes : Changed Refsysid to Number(9) KAH 20 Apr 2004

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u> |
|-----------------|------------------|----------------|-------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15) |
| 20              | REFSYSID         | NOT NULL       | NUMBER (9)  |

Primary Key

| <u>Name</u>       | <u>Column</u>                |
|-------------------|------------------------------|
| ISO_REFSYSINFO_PK | ADD_DATAIDENT_ID<br>REFSYSID |

Foreign Keys

## ISO\_REFSYSINFO\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

## ISO\_REFSYSINFO\_FK2

|                |            |                          |
|----------------|------------|--------------------------|
| REFSYSID       | references | DIC_ADD_EPSG.CODE        |
| Transferable ? | Yes        | Update Rule : Restricted |
| Mandatory ?    | Yes        | Delete Rule : Restricted |

Column Detail

|    |                  |   |
|----|------------------|---|
| 10 | ADD_DATAIDENT_ID | Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;<br>Unique identifier for the "dataset" |
| 20 | REFSYSID         | referenceSystemIdentifier (#187)  |

### Table Definition

Container : ISO Metadata      Version :

#### Column Detail

Optional ? :No ; Number (9) ;( ) ; ; Uppercase ? :No ;

name of reference system

Notes                      Although this is a class, the info should be in the EPSG system

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_REPFRACT Alias :  
Display Title :

Comment : MD\_RepresentativeFraction (#56)

Description : derived from ISO 19103 Scale where MD\_Representative  
Fraction.denominator = 1 / Scale.measure And Scale.targetUnits  
=Scale.sourceUnitsNotes : RESOL and REPFRACT are "either/or" in ISO 19115:2003 - but it's all  
optional anyway

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u> |
|-----------------|------------------|----------------|-------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15) |
| 20              | RFDENOM          | NOT NULL       | NUMBER (15) |

Primary Key

| <u>Name</u>     | <u>Column</u>               |
|-----------------|-----------------------------|
| ISO_REPFRACT_PK | ADD_DATAIDENT_ID<br>RFDENOM |

Foreign Keys

## ISO\_REPFRACT\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

Column Detail

|    |                  |  |
|----|------------------|--|
| 10 | ADD_DATAIDENT_ID | Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;<br>Unique identifier for the "dataset"                                 |
| 20 | RFDENOM          | denominator (#57)<br>Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;<br>the number below the line in a vulgar fraction |
|    | <u>Notes</u>     | From equivalentScale (#60) - level of detail expressed as the  |

### Table Definition

Container : ISO Metadata      Version :

#### Column Detail

scale of a comparable hardcopy map or chart

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_RESOL Alias :  
Display Title :

Comment : MD\_Resolution (#59)

Description : level of detail expressed as a scale factor or a ground distance

Notes : RESOL and REPFRACT are "either/or" in ISO 19115:2003 - but it's all optional anyway

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|------------------|----------------|---------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)   |
| 20              | SCALEDIST        | NOT NULL       | NUMBER (15)   |
| 30              | ADD_UOMLENGTH    | NOT NULL       | VARCHAR2 (20) |

Primary Key

| <u>Name</u>  | <u>Column</u>                                  |
|--------------|--|
| ISO_RESOL_PK | ADD_DATAIDENT_ID<br>SCALEDIST<br>ADD_UOMLENGTH |

Foreign Keys

ISO\_RESOL\_FK1

|                  |            |                                |
|------------------|------------|--------------------------------|
| ADD_DATAIDENT_ID | references | ISO_DATAIDENT.ADD_DATAIDENT_ID |
| Transferable ?   | Yes        | Update Rule : Restricted       |
| Mandatory ?      | No         | Delete Rule : Restricted       |

ISO\_RESOL\_FK2

|                |            |                          |
|----------------|------------|--------------------------|
| ADD_UOMLENGTH  | references | DIC_ADD_UOMLENGTH.NAME   |
| Transferable ? | Yes        | Update Rule : Restricted |
| Mandatory ?    | Yes        | Delete Rule : Restricted |

Column Detail

|    |   |
|----|---|
| 10 | ADD_DATAIDENT_ID  |
|    | Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ; |
|    | Unique identifier for the "dataset"                     |

**Table Definition**

Container : ISO Metadata Version :

Column Detail

20 SCALEDIST

distance (#61)

Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;

ground sample distance

30 ADD\_UOMLENGTH

UomLength (From ISO 19103)

Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;

Any of the measuring systems to measure the length, distance between two entities. Example are the English System of feet and inches or the metric system of millimetres, centimetres and meters, also the System International (SI) System of Units.

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_RESPPARTY Alias :  
Display Title :

Comment : CI\_ResponsibleParty (#374)

Description : identification of, and means of communication with, person(s) and organizations associated with the dataset

Notes : The whole system of addresses and contacts is unimplementable within the time available - so this area has been rationised to reflect reality and practicality. The data need checking regularly.

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>   | <u>Nulls ?</u> | <u>Type</u>     |
|-----------------|-----------------|----------------|-----------------|
| 10              | ADD_RESPARTY_ID | NOT NULL       | NUMBER (15)     |
| 20              | RPINDNAME       | NULL           | VARCHAR2 (120)  |
| 30              | RPORGNAME       | NULL           | VARCHAR2 (120)  |
| 40              | RPPOSNAME       | NULL           | VARCHAR2 (40)   |
| 50              | DELPOINT        | NULL           | CLOB ( )        |
| 60              | CITY            | NULL           | VARCHAR2 (60)   |
| 70              | ADMINAREA       | NULL           | VARCHAR2 (40)   |
| 80              | POSTCODE        | NULL           | VARCHAR2 (40)   |
| 90              | COUNTRY         | NULL           | VARCHAR2 (60)   |
| 100             | CNTONLINERES    | NULL           | NUMBER (15)     |
| 110             | CNTHOURS        | NULL           | VARCHAR2 (2000) |
| 120             | CNTINSTR        | NULL           | VARCHAR2 (2000) |

Primary Key

| <u>Name</u>      | <u>Column</u>   |
|------------------|-----------------|
| ISO_RESPPARTY_PK | ADD_RESPARTY_ID |

Column Detail

10 ADD\_RESPARTY\_ID

Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;

Unique identifier of the responsible party

Notes This is wrongly named - it should be ADD\_RESPPARTY\_ID (two p's)  
- but as it's not an ISO field, decided to leave as is (KAH 28 Jul 2003)

Container : ISO Metadata Version :

### Foreign Keys

#### ISO\_RESPARTY\_FK1

COUNTRY references DIC\_ISO\_COUNTRY.COUNTRY  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? No Delete Rule : Restricted

#### ISO\_RESPARTY\_FK2

CNTONLINERES references ISO\_ONLINERES.ADD\_ONLINERES\_ID  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? No Delete Rule : Restricted

### Check Constraints

| <u>Name</u>       | <u>Where Validate Clause</u>  |
|-------------------|---|
| ISO_RESPPARTY_CK1 | not (RPINDNAME is null and RPORGNAME is null and RPPOSNAME is null) |

### Index Summary

| <u>Name</u>      | <u>Seq.</u> | <u>Column</u> | <u>Index Type</u> |
|------------------|-------------|---------------|-------------------|
| ISO_RESPPARTY_U1 | 0           | RPINDNAME     | UNIQUE            |
| ISO_RESPPARTY_U1 | 2           | RPORGNAME     | UNIQUE            |
| ISO_RESPPARTY_U1 | 4           | RPPOSNAME     | UNIQUE            |

### Column Detail

20 RPINDNAME  
 individualName (#375)  
 Optional ? :Yes ; Varchar2 (120) ;() ; ; Uppercase ? :No ;  
 name of the responsible person-surname, given name, title separated by a  
 delimiter  
Notes This could be split up into 3 fields - but why? Just following  
 the formatting rules is better

30 RPORGNAME  
 organisationName (#376)  
 Optional ? :Yes ; Varchar2 (120) ;() ; ; Uppercase ? :No ;  
 name of the responsible organization

40 RPPOSNAME  
 positionName (#377)  
 Optional ? :Yes ; Varchar2 (40) ;() ; ; Uppercase ? :No ;  
 role or position of the responsible person

50 DELPOINT



## Table Definition

Container : ISO Metadata Version :

Column Detail

deliveryPoint (#381)

Optional ? :Yes ; Clob () ;() ; ; Uppercase ? :No ;

address line for the location (as described in ISO 11180, Annex A)

Notes

This is a multi-line 1:many in ISO 19115:2003 but surely it's better to be done as a CLOB?

60

CITY

city (#382)

Optional ? :Yes ; Varchar2 (60) ;() ; ; Uppercase ? :No ;

city of the location

70

ADMINAREA

administrativeArea (#383)

Optional ? :Yes ; Varchar2 (40) ;() ; ; Uppercase ? :No ;

state, province of the location

80

POSTCODE

postalCode (#384)

Optional ? :Yes ; Varchar2 (40) ;() ; ; Uppercase ? :No ;

ZIP or other postal code

90

COUNTRY

country (#385)

Optional ? :Yes ; Varchar2 (60) ;() ; ; Uppercase ? :No ;

country of the physical address

100

CNTONLINERES

onlineResource (#390)

Optional ? :Yes ; Number (15) ;() ; ; Uppercase ? :No ;

on-line information that can be used to contact the individual or organization

110

CNTHOURS

hoursOfService (#391)

Optional ? :Yes ; Varchar2 (2000) ;() ; ; Uppercase ? :No ;

time period (including time zone) when individuals can contact the organization or individual

120

CNTINSTR

contactInstructions (#392)

Optional ? :Yes ; Varchar2 (2000) ;() ; ; Uppercase ? :No ;

supplemental instructions on how or when to contact the individual or organization

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_SPATRPTYPE Alias :  
Display Title :

Comment : spatialRepresentationType (#37)

Description : method used to spatially represent geographic information

Notes : Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|------------------|----------------|---------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)   |
| 20              | SPATRPTYPE       | NOT NULL       | VARCHAR2 (20) |

Primary Key

| <u>Name</u>       | <u>Column</u>                  |
|-------------------|--------------------------------|
| ISO_SPATRPTYPE_PK | ADD_DATAIDENT_ID<br>SPATRPTYPE |

Foreign Keys

ISO\_SPATRPTYPE\_FK1

ADD\_DATAIDENT\_ID references ISO\_DATAIDENT.ADD\_DATAIDENT\_ID  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? No Delete Rule : Restricted

ISO\_SPATRPTYPE\_FK2

SPATRPTYPE references DIC\_ISO\_SPATREPTYPCD.NAME  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? Yes Delete Rule : Restricted

Column Detail

10 ADD\_DATAIDENT\_ID  
Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
Unique identifier for the "dataset"

20 SPATRPTYPE  
spatialRepresentationType (#37)  
Optional ? :No ; Varchar2 (20) ;( ) ; ; Uppercase ? :No ;  
method used to spatially represent geographic information

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_TELEPHONE\_1 Alias :  
Display Title :

Comment : CI\_Telephone (#407)

Description : telephone numbers for contacting the responsible individual or organization

Notes : The whole system of addresses and contacts is unimplementable within the time available - so this area has been rationised to reflect reality and practicality. The data need checking regularly.

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>   | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|-----------------|----------------|---------------|
| 10              | ADD_RESPARTY_ID | NOT NULL       | NUMBER (15)   |
| 20              | VOICENUM        | NOT NULL       | VARCHAR2 (25) |

Primary Key

| <u>Name</u>        | <u>Column</u>               |
|--------------------|-----------------------------|
| ISO_TELEPHONE_1_PK | ADD_RESPARTY_ID<br>VOICENUM |

Foreign Keys

ISO\_TELEPHONE\_1\_FK1  
 ADD\_RESPARTY\_ID references ISO\_RESPPARTY.ADD\_RESPARTY\_ID  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? No Delete Rule : Restricted

Column Detail

10 ADD\_RESPARTY\_ID  
 Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
 Unique identifier of the responsible party

20 VOICENUM  
 voice (#408)  
 Optional ? :No ; Varchar2 (25) ;( ) ; ; Uppercase ? :No ;  
 telephone number by which individuals can speak to the responsible organization or individual

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_TELEPHONE\_2 Alias :  
Display Title :

Comment : CI\_Telephone (#407)

Description : telephone numbers for contacting the responsible individual or organization

Notes : The whole system of addresses and contacts is unimplementable within the time available - so this area has been rationised to reflect reality and practicality. The data need checking regularly.

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>   | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|-----------------|----------------|---------------|
| 10              | ADD_RESPARTY_ID | NOT NULL       | NUMBER (15)   |
| 20              | FAXNUM          | NOT NULL       | VARCHAR2 (25) |

Primary Key

| <u>Name</u>        | <u>Column</u>             |
|--------------------|---------------------------|
| ISO_TELEPHONE_2_PK | ADD_RESPARTY_ID<br>FAXNUM |

Foreign Keys

ISO\_TELEPHONE\_2\_FK1  
 ADD\_RESPARTY\_ID references ISO\_RESPPARTY.ADD\_RESPARTY\_ID  
 Transferable ? Yes Update Rule : Restricted  
 Mandatory ? No Delete Rule : Restricted

Column Detail

10 ADD\_RESPARTY\_ID  
 Optional ? :No ; Number (15) ;( ) ; ; Uppercase ? :No ;  
 Unique identifier of the responsible party

20 FAXNUM  
 facsimile (#409)  
 Optional ? :No ; Varchar2 (25) ;( ) ; ; Uppercase ? :No ;  
 telephone number of a facsimile machine for the responsible organization or individual

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_TPCAT Alias :  
Display Title :

Comment : topicCategory (#41)

Description : main theme(s) of the dataset

Notes : "C / if hierarchyLevel equals ?dataset??" .. so make it mandatory  
anyway

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>    | <u>Nulls ?</u> | <u>Type</u>   |
|-----------------|------------------|----------------|---------------|
| 10              | ADD_DATAIDENT_ID | NOT NULL       | NUMBER (15)   |
| 20              | TPCAT            | NOT NULL       | VARCHAR2 (40) |

Primary Key

| <u>Name</u>  | <u>Column</u>             |
|--------------|---------------------------|
| ISO_TPCAT_PK | ADD_DATAIDENT_ID<br>TPCAT |

Foreign Keys

## ISO\_TPCAT\_FK1

ADD\_DATAIDENT\_ID references ISO\_DATAIDENT.ADD\_DATAIDENT\_ID  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? Yes Delete Rule : Restricted

## ISO\_TPCAT\_FK2

TPCAT references DIC\_ISO\_TOPICCATCD.NAME  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? Yes Delete Rule : Restricted

Column Detail

10 ADD\_DATAIDENT\_ID  
Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;  
Unique identifier for the "dataset"

20 TPCAT  
topicCategory (#41)

### Table Definition

Container : ISO Metadata      Version :

#### Column Detail

Optional ? :No ; Varchar2 (40) ;( ) ; ; Uppercase ? :No ;  
main theme(s) of the dataset

**Table Definition**

Container : ISO Metadata Version :

Table Name : ISO\_VERTEXTENT Alias :  
Display Title :

Comment : EX\_VerticalExtent (#354)

Description : vertical domain of dataset

Notes : Changed Vertdatum to Number(9) KAH 20 Apr 2004

Renamed table with ISO\_ prefix KAH 20 Apr 2004

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

| <u>Col.Seq.</u> | <u>Column</u>     | <u>Nulls ?</u> | <u>Type</u>    |
|-----------------|-------------------|----------------|----------------|
| 5               | ADD_VERTEXTENT_ID | NOT NULL       | NUMBER (15)    |
| 10              | ADD_DATAIDENT_ID  | NOT NULL       | NUMBER (15)    |
| 30              | VERTMINVAL        | NOT NULL       | NUMBER (15, 5) |
| 40              | VERTMAXVAL        | NOT NULL       | NUMBER (15, 5) |
| 50              | VERTUOM           | NOT NULL       | VARCHAR2 (20)  |
| 60              | VERTDATUM         | NOT NULL       | NUMBER (9)     |

Primary Key

| <u>Name</u>       | <u>Column</u>     |
|-------------------|-------------------|
| ISO_VERTEXTENT_PK | ADD_VERTEXTENT_ID |

Foreign Keys

ISO\_VERTEXTENT\_FK1

ADD\_DATAIDENT\_ID references ISO\_DATAIDENT.ADD\_DATAIDENT\_ID  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? No Delete Rule : Restricted

ISO\_VERTEXTENT\_FK2

VERTUOM references DIC\_ADD\_UOMLENGTH.NAME  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? Yes Delete Rule : Restricted

ISO\_VERTEXTENT\_FK3

VERTDATUM references DIC\_ADD\_EPSG.CODE  
Transferable ? Yes Update Rule : Restricted  
Mandatory ? Yes Delete Rule : Restricted

**Table Definition**

Container : ISO Metadata Version :

Column Detail

5 ADD\_VERTTEXTENT\_ID  
Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;  
Unique identifier for the "vertical extent" for the "dataset"

10 ADD\_DATAIDENT\_ID  
Optional ? :No ; Number (15) ;() ; ; Uppercase ? :No ;  
Unique identifier for the "dataset"

30 VERTMINVAL  
minimumValue (#355)  
Optional ? :No ; Number (15, 5) ;() ; ; Uppercase ? :No ;  
lowest vertical extent contained in the dataset

40 VERTMAXVAL  
maximumValue (#356)  
Optional ? :No ; Number (15, 5) ;() ; ; Uppercase ? :No ;  
highest vertical extent contained in the dataset

50 VERTUOM  
unitOfMeasure (#357)  
Optional ? :No ; Varchar2 (20) ;() ; ; Uppercase ? :No ;  
vertical units used for vertical extent information Examples: metres, feet,  
millimetres, hectopascals

60 VERTDATUM  
role name: verticalDatum (#358)  
Optional ? :No ; Number (9) ;() ; ; Uppercase ? :No ;  
provides information about the origin from which the maximum and minimum  
elevation values are measured



Oracle Designer

TABLE DEFINITION

End of Report