OECD Minimum Data Set (modified from the CABRI guidelines[1]) and the ABCD schema v. 1.3

This is my attempt to map the MDS data items to ABCD elements. As you will note, I have taken a pragmatic approach and added a number of elements to the culture collection domain of the unit, wherever overlap with other types of collections is not given.
W. Berendsohn, 28 Jan 2004.

BRC (Modified CABRI)	**ABCD 1.23 [comments in brackets]** Implicit path: Datasets/Dataset/Units/Unit/ if xpath does not start with /Datasets
1.Acession number	**EITHER** UnitID [which would imply a repetition of SourceID, where the collection acronym must be given in ABCD] **OR** /Datasets/Dataset/OriginalSource/SourceID + " " + UnitID **OR** UnitID+"@"+ /Datasets/Dataset/OriginalSource/SourceID [I am not sure which definition is valid. OECD 2003, p. 2. states: "This report proposes for the level 1 document the GSBRC number (e.g. GSBRCnnnnn) which will be assigned by a GSBRC secretariat to the member. A specimen will automatically be given a unique number in this format XYZmmmmmm@GSBRCnnnnnn.". OECD 2003, p. 8: "consists of collection acronym followed by a number or alphanumeric identifier separated with a blank Make sure unique number is given to each strain".]
2. Other culture collection numbers	**EITHER** as a semicolon separated text under UnitStateDomain/SpecimenUnit/SpecimenUnitHistory/PreviousUnitsText **OR** as individual concatenated numbers under UnitStateDomain/SpecimenUnit/SpecimenUnitHistory/PreviousUnits/PreviousUnit/PreviousUnitText **OR** as a reference to an ABCD identified unit by giving the three IDs (PreviousUnitID, PreviousSourceID, PreviousSourceInstitutionID) under UnitStateDomain/SpecimenUnit/SpecimenUnitHistory/PreviousUnits/PreviousUnit/

[1] OECD 2003. Global Forum on knowledge economy: Biotechnology. Minimum Data Set (MSD) for describing BRCS and the domain of Microbes. Organisation for Economic Co-operation and Development, Directorate for Science, Technology and Industry, Committee for Scientific and Technological Policy, Working Party on Biotechnology. OECD DSTI/STP/BIO(2003)21 English.

3. Restrictions	UnitCollectionDomain/CultureCollectionUnit/Hazard [refers to the physical object, which I think OECD 2003: 8 refers to; for restrictions as to the use of the data record the element RecordRights/SpecificRestrictions should be used.]
4. Organism type	UnitCollectionDomain/CultureCollectionUnit/OrganismType New Element in ABCD v. >1.21. [Purist's would like to put this under identification, higher taxon, but I guess we should be pragmatic about this. UnitCollectionDomain itself cannot be used to identify the unit as it has been suggested, it only represents a domain specific substructure]
5.Name	Identifications/Identification/ TaxonIdentified/ScientificName/FullScientificNameString [was "NameAuthorYearString" in v. 1.20] **AND** [if atomized data available] in elements under Identifications/Identification/ TaxonIdentified/ScientificName/NameAtomized/Bacterial/* [However, Pathovar can only be included in FullScientificNameString, same as the possibility to include the accession number of the sequence in DDBJ/EMBL/GenBank in the case of viable yet-to-be cultured strains.]
6. Infrasubspecific names	UnitCollectionDomain/CultureCollectionUnit/InfrasubspecificName [A new element in v. >1.20]
7.Status	UnitStateDomain/SpecimenUnit/NomenclaturalTypeDesignation(s)/TypeStatus
8. Other names	Identifications/IdentificationHistory
9. History of deposit	UnitStateDomain/SpecimenUnit/SpecimenUnitHistory/PreviousUnitsText [A new element in v. >1.20 as an alternative to the more structured one under PreviousUnit]
10 Condition of growth	UnitCollectionDomain/CultureCollectionUnit/GrowthConditions

11 Form of supply	UnitCollectionDomain/CultureCollectionUnit/FormOfSupply [A new element in v. >1.20]
12 Serovar	UnitCollectionDomain/CultureCollectionUnit/Serovar [A new element in v. >1.20]
13. Isolated from	**EITHER** UnitAssociation(s)/*ID [if the substrate itself forms a Unit and is an organism] **AND/OR** Identifications/Identification/TaxonIdentified + Attribute Identification.Role set to "Isolated from" [if the substrate is an organism. A new attribute in v. >1.20] **OR** Identifications/Identification/MaterialIdentified + Attribute Identification.Role set to "Isolated from" [if the substrate is not really an organism (e.g. a wall, a piece of leather, a piece of unidentified wood, or the like). A new element and attribute in v. >1.20] [Please note: to be able to identify parasites/deseases etc. as part of the biological information referring to a certain taxon (e.g. a plant), the UnitAssociation or the taxonomic identification should be used, because this will allow searches under the respective name.]
14. Geographic origin	Gathering/GatheringSite/LocalityText
15 Mutant	UnitCollectionDomain/CultureCollectionUnit/Mutant [A new element in v. >1.20]

16 Genotype	UnitCollectionDomain/CultureCollectionUnit/Genotype [A new element in v. >1.20]
17. Literature	CultureCollectionUnitType/References/Reference OR [for Type Strains] UnitStateDomain/SpecimenUnit/NomenclaturalTypeDesignation(s)/NomenclaturalReference