EXPRESS Schema for the DMIS Language

Background
Written as part of the software for a DMIS Interpreter.
Has (therefore) been tested for correct syntax and semantic completeness.
Is not used in version 2 of the Interpreter.

Coverage
Covers 46 of the 172 items listed in the index of the DMIS 3.0 specification.
Includes attributes but not methods (since it is EXPRESS).

Contents
Two sections of text: type declarations (all enumerations) and entity declarations.
Each section is arranged alphabetically.

EXPRESS Style
Uses subtyping extensively.
Does not use multiple inheritance.
Does not use "select".
Usually stays very close to the DMIS 3.0 specification.
Includes some subtypes given in DMIS spec without major word - e.g. datum_definition

Diagram of Type Hierarchy
Is condensed EXPRESS G (entity type hierarchy only, no attributes shown).

Other
A few entities have attributes not given explicitly in the DMIS 3.0 spec - e.g. feature twin
Should be extensible to additional items defined in the DMIS 3.0 spec
Available on the web at:
http://step-inspect.aptd.cme.nist.gov/Reference_model/index.html
http://www.isd.cme.nist.gov/personnel/kramer/publications.html (NIST DMIS Interpreter)