



GEMINI
8-M Telescopes
Project

SPE-PS-G0086

Phase 1 XML Specification



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Gemini Phase1 Information

The files contained in this package define what a Gemini proposal should look like when it's submitted by the partners to the Gemini office.

What is here:

AstronomyPhase1.dtd - this is the XML Document Type Declaration (DTD) that describes a generic Phase 1 proposal. It allows multiple observatories to add their own information to a proposal while sharing common information.

AstronomyPhase1Data.dtd - this is the data file that supports the common part of the Phase 1 proposal. Included is the set of keywords and keyword categories. A list of sites/institutions is also included. More sites are needed.

Gemini.dtd - This is a DTD for the Gemini 8m Telescope extensions and constraints. It uses the information in the *AstronomyPhase1.dtd*.

target.mod - This is an external DTD describing the possible coordinate systems that can be used to specify target positions. Note that not all of these are allowed in Gemini proposals. Other observatories wish to use these expanded coordinate systems.

GeminiData.xml - this is an XML file of data that supports the creation of Gemini Proposals. It contains an example of a Gemini resource list, information about the scheduling period, and information that can be used by authoring tools. The values of the data in this file are not yet finalized. They will be specified by the Gemini staff as the first scheduling period nears. Contact Phil Puxley about this.

geminiDemon.xml - this is a fully developed, valid, well-formed Gemini proposal. It obeys the Gemini DTD and Astronomyphase1 DTD and all external validity constraints.

XmlTester.java - This is a small test file that can be compiled and used with the XML 4J Java package to test your file against the DTDs.

Type: XmlTester [dom|domn] filename

Argument dom uses a validating parser (needs DTDs).

Argument domn uses a non-validating parser.

What will change:

The *GeminiData.xml* file will change and will continue to change for each observing semester as new resources appear and old ones go away. The *AstronomyPhase1Data* file will also change as new sites are added. The list of keywords and categories is stable.

The Gemini validity constraints are fixed for the known future.

What Gemini Expects:

Gemini expects a proposal to include a Gemini proposal in XML format as described by the DTDs and validity constraints and any attachments in the Gemini-specified acceptable formats.

Documents

Two PDF documents are included. One describes the general Astronomy Phase 1 DTD. The other specifies what Gemini expects in more detail.