

## NPM Class Library

### 2. Genre

31 genres are defined in NPM class library and shown in the following table as of March, 2003.

**Table 1 Genres**

	Genre name	Content
1	5w1h	5W1H (who, when, where, what, why and how) are defined.
2	Activity	Activities (processes or life cycles) are defined.
3	Area	Spatial information related classes are defined.
4	cable_tray_component	Cable tray related classes are defined.
5	Common_part	Common parts classes are defined.
6	Common_unit	Common unit that are assembled from several parts are defined.
7	Electrical_component	Electrical parts classes are defined.
8	Equipment	Equipment classes are defined.
9	ESLib	Standard parts library classes are defined.
10	Geometry	Geometric classes are defined.
11	HVAC_component	HVAC component classes are defined.
12	Information_contents	Document classes are defined.
13	Instrumentation_and_control_component	Instrumentation equipment classes are defined.
14	Location_base_definition	Location base classes are defined.
15	Others	The classes that cannot be grouped into genres.
16	Person_and_organization	Person and enterprise organization classes are defined.,
17	Piping_component	Piping component classes are defined.
18	Plant_and_system	Plant and plant_system classes are defined.
19	Plant_item	Item (plant_item) classes are defined.
20	Port_and_connection	Connection point and related information classes are defined.
21	property	Properties (attributes) are defined.
22	qualifier	Qualifiers (limitation adjectives) are defined.
23	Representation	Representation classes are defined.
24	Schematic_item	2D item classes are defined.

25	Specialty_item	Speciality classes are defined.
26	Structural_component	Structural component classes are defined.
27	Support_unit	Support classes are defined.
28	Topology	Topology classes are defined.
29	unit	Unit classes are defined.
30	Value_item	Value related classes are defined.
31	Valve	Valve classes are defined.

Relationships between genres cannot be illustrated correctly, due to multiple inheritances and complicated assemblies for each class. However, an outline of relationships are written in the figure 1. Correct relationships with classes are described from next sections.

