

NASA Structure Management (NSM)

NASA Structure Management (NSM) is a single, integrated Programmatic and Institutional data management structure that:

- Supports the financial cycle from budget formulation through execution
- Supports performance tracking
- Enables better decision-making
- Improves management effectiveness
- One Structure and One System

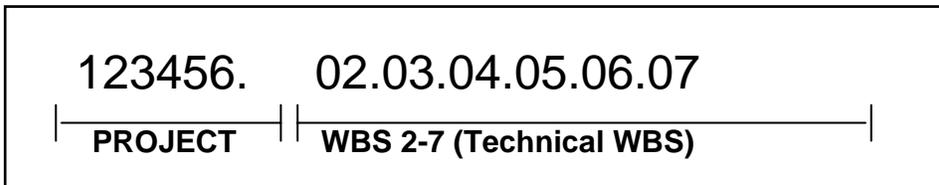
NSM Function:

- NSM is the data Management Structure used to manage all NASA resources, both Programmatic and Institutional, and to better facilitate Full Cost management and operations.
- NSM’s single integrated structure and metadata attributes linked with other technical and budget execution elements, is designed to improve the Agency’s ability to conduct financial analysis, cost-estimating and execute financial transactions such as funds distribution and cost collection.
- The NSM and its metadata attributes also assists the Office of the Chief Engineer in determining the appropriate management requirements for programs and projects.
- Moreover, the NSM enhances project management in constructing a Work Breakdown Structure matching the Financial and Technical structures.

NSM Coding:

The new NSM Structure consists of the following:

- A level one, randomly generated, six-digit Project number created by MdM
- Up to six additional levels of two-digit numbers reflecting a Project’s technical WBS



PY05 and Prior AWCS structure	62-376-10-10
PY06 and Forward NSM structure	524238.08.01.01

- Difference between a Project coded using the PY05 and prior AWCS structure and the PY06 and forward NSM structure

- Note: In the example above, the PY06 and forward NSM structure represents WBS Level 4 as the lowest level.

NSM Hierarchies and Levels:

- The NSM is broken out into the following hierarchies:
 - Programmatic Hierarchy -representing projects managed by the Mission Directorates
 - Institutional Hierarchy -representing projects under Working Capital, Institutional Investments, Service Pools, and Corporate Management and Operations (CM&O)
- The table below displays the breakdown of Programmatic and Institutional Hierarchy element levels

Programmatic Hierarchy Element Levels	Institutional Hierarchy Element Levels
Mission	Mission Equivalent
Theme	Theme Equivalent
Program	Program Equivalent
Project/Activity/Work Breakdown Structure (WBS) level 1	Project/Activity/WBS level 1 Equivalent
WBS level 2	WBS level 2 Equivalent
WBS level 3	WBS level 3 Equivalent
WBS level 4	WBS level 4 Equivalent
WBS level 5	WBS level 5 Equivalent
WBS level 6	WBS level 6 Equivalent
WBS level 7	WBS level 7 Equivalent

NSM	Hierarchy	Detailed
<u>NSM Code</u>	<u>NSM Specifications</u>	<u>NSM Example</u>
Mission Code	4 alpha's, smart Code	ESMD
Theme Code	2 – 4 alpha's	PROM
Program Code	4 alpha numeric (at least one alpha)	384A
Project Code	6 digits, not smart coded	564815
WBS 2 Code	2 digits starting period delimiter	564815.11
WBS 3 Code	2 digits starting period delimiter	564815.11.01
WBS 4 Code	2 digits starting period delimiter	564815.11.01.13
WBS 5 Code	2 digits starting period delimiter	564815.11.01.13.21
WBS 6 Code	2 digits starting period delimiter	564815.11.01.13.21.09
WBS 7 Code	2 digits starting period delimiter	564815.11.01.13.21.09.02