

Maturity Category Assignment Rules

Rule #	Encoding	Description
Material Categories		
1	1.00	Items that have been completed or the order has been placed.
2	1.10	Items that have already been purchased within the past year (perhaps in small quantities). Items for which there is a recent (within one year) catalog price or firm quote based on a nearly completed design and for which there is more than one potential vendor
3	1.20	Items for which there is a recent (within one year) catalog price or firm quote based on a nearly completed design but for which there is only one vendor. Items that are a direct copy of an existing design with no modifications and for which the costs can be documented.
4	1.30	Items that can be readily estimated from a reasonably detailed, but not completed, design. Items adapted from existing designs but with minor modifications, produced within the previous two years, with documented costs. Items for which there is a recent vendor survey based on a preliminary design.
5	1.50	Items with a detailed conceptual level of design. Items adapted from existing designs but with extensive modifications and/or made more than two years previous, with documented costs. Items with an estimate based on physicist or engineering experience.
6	1.70	Items that have unproven fabrication yields or for which there are unique issues (for example: a special-order item, a single preferred vendor).
7	1.90	Items that do not yet have a detailed conceptual design.
Labor Categories		
0	1.15	Used for Project Management Level of Effort tasks
1	1.00	Tasks that have been completed.
2	1.20	Estimates based on very similar tasks that have been done before recently and have documented time durations. For example: using data from prototyping of an assembly line or fabrication procedure (full or part scale)
3	1.30	Tasks that are conventional, well defined and tend to be repeatable with good confidence, but for which small fluctuations are expected. For example: testing of production electronics components (most boards take the same time, a few take longer); fabrication of multiple similar components that are not an assembly line process; labor for conventional items that offer little to no technical risk.
4	1.40	Tasks that are not yet completely defined, but are analogous to past activities. For example: a fabrication activity similar to, but not exactly exactly the same as items fabricated for other activities; design labor for items similar to, but not exactly the same as previous designs.
5	1.60	Tasks that are not yet well defined.
Travel Categories		
1	1.20	Standard contingency level for all travel.

Maturity Categories for the Cost Estimating Tool

Material Categories

M1: The item is complete or order placed

M2: The item has a recent (<1 year) budgetary quote based on a nearly complete design of COTS components

M3: The item has a recent (<1 year) budgetary quote based on a nearly complete design but there is only one vendor

M4: The item has a detailed but not complete design with only minor modification expected

M5: The item has a detailed conceptual design but extensive modifications are likely

M6: The item has unproven fabrication yields and has unique issues

M7: The item does not have a conceptual design yet

Labor Categories

L0: Project Management Level of Effort

L1: The task is complete

L2: The task is very similar to one done before with documented durations

L3: The task is conventional, well defined and repeatable (e.g. testing, design of test boards)

L4: The task is not completely defined but analogous to past, similar activities

L5: The task is not well defined

Travel Categories

T1: Travel contingency