



AEROSPACE STANDARD

AS 1105

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Revised

SERVICE TIME CODING OF PROPULSION ENGINE ITEMS

1. **PURPOSE AND SCOPE:** To establish a standard for service time code markings on items in propulsion engines where such marking may be required for determining accumulated service time and remaining life expectancy.
2. **GENERAL REQUIREMENTS**
 - 2.1 Item as used herein refers to an individual part or to an assembly of parts which is identified by a single identification number.
 - 2.2 Time, or service time, as used herein refers to operating time, not installed time.
3. **DETAIL REQUIREMENTS**
 - 3.1 A service time code shall be applied to items removed from service for overhaul or other reasons.
 - 3.2 Only those items which are removed will be time coded at a given engine teardown. An item shall not be removed from an engine solely for the purpose of marking the service time code.
 - 3.3 The following code shall be applied to supplement but not replace any life history maintained more precisely by other means.

- R Item installed at repair
 U Undeterminable service time
 N New item installed at overhaul
 Y Used item replaced at overhaul

 C Cycles (instead of hours) of service
 M Minutes (instead of hours) of service

Number of hours, cycles, or minutes are represented either by the letter A or a Code number. To find the number of hours or cycles multiply the code number by 100 and add a tolerance of -49 to +50 hours or cycles. To find the number of minutes, multiply the code number by 3 and add a tolerance of ± 1 minute. For purposes of totalling service time, Code A is considered to mean 25 hours or cycles.

| <u>MARKING</u> | <u>HOURS</u> | <u>MARKING</u> | <u>CYCLES</u> | <u>MARKING</u> | <u>MINUTES</u> |
|----------------|--------------|----------------|---------------|----------------|----------------|
| A | 1-50 | CA | 1-50 | MA | 0-1 |
| 1 | 51-150 | C1 | 51-150 | M1 | 2-4 |
| 2 | 151-250 | C2 | 151-250 | M2 | 5-7 |
| 3 | 251-350 | C3 | 251-350 | M3 | 8-10 |
| 4 | 351-450 | C4 | 351-450 | M4 | 11-13 |
| 5 | 451-550 | C5 | 451-550 | M5 | 14-16 |
| - | - | - | - | - | - |
| - | - | - | - | - | - |
| - | - | - | - | - | - |
| - | - | - | - | - | - |
| 99 | 9851-9950 | C99 | 9851-9950 | M99 | 296-298 |

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