

d) Compound grade

With a view of planning refurbishment or replacement of operational units, each unit is then given a Compound Grade based on its Condition Grade (1 to 5), its Performance Grade (1 to 5) and its Criticality (1 to 5).

Compound Grade = Condition Grade x Performance Grade x Criticality.

Compound Grade distribution is presented in Table 6.3:

Criticality	Serviceability (Condition Grade x Performance Grade)	1	2	3	4	5	6	8	9	10	12	15	16	20	25
1		1	2	3	4	5	6	8	9	10	12	15	16	20	25
2		2	4	6	8	10	12	16	18	20	24	30	32	40	50
3		3	6	9	12	15	18	24	27	30	36	45	48	60	75
4		4	8	12	16	20	24	32	36	40	48	60	64	80	100
5		5	10	15	20	25	30	40	45	50	60	75	80	100	125

Table 6-3: Compound Grading

e) Performance Grade

Performance grade is also an assessment. Rating on a 1 to 5 basis with 1 indicating that the asset performs its function efficiently within its design parameters and 5 indicating that it is subject to frequent failure or is being asked to perform outside its designed operating range. As for the Condition Grade, an overall Performance Grade for an operational unit is a translation of the grades for each category. The overall figure is not a percentage but instead a judgment on which category is the most important to that operational unit's Performance Grade.

Score	Definition	Areas to Consider	1	2	3	4	5
Overall Performance	The combined score for the Performance at process level includes serviceability at process and component level.		System robust for planned and unplanned maintenance activity, with no tangible risk or adverse impact on service.	Some increase in operational maintenance activity needed over period to maintain service. Asset malfunctions mitigated by system intervention procedures and/or from alternative assets, with no tangible adverse impact on service.	Asset components requiring refurbishment or renewal on economic grounds alone (such as substantial increase in operational cost to maintain service) and/or to meet health and safety requirements, with no tangible adverse impact on service.	Asset components requiring timely refurbishment or renewal to prevent an imminent reduction in service, which would breach a DG reference standard, statutory quality standard or contributed to overall performance assessment (OPA) score.	Asset components requiring refurbishment or renewal which have caused loss of service ((a) at local level, within one control zone), (b) across more than one control zone (control zone definitions company specific to identify different order of risk).
			Combine the Capability, Reliability and Maintainability aspects for the process and its components to give an overall score				

Table 6-4: Performance Grade