

# Noise Assessment Record

MOD Form 5017

**NOTE:** To be completed by 'competent' persons with current knowledge of conducting noise assessments. This form is not suitable for assessing impulse noise from military weapons, explosives and pyrotechnics which should be assessed by a specialist with a bespoke risk assessment.

1. Assessment details			
Establishment / Unit / Platform:		Section / Department / Sub-unit:	
Location of assessment (address)		Type of noise environment	
		Continuous	<input type="checkbox"/>
		Impulsive	<input type="checkbox"/>
MOD Form 5017 Reference No.		Main risk assessment (MOD Form 5010) Reference No.	

2. Assessment carried out by			
Assessor name:		Signature: (only if form is completed by hand)	
Post / Role:		Rank / Grade:	Date:

3. Summary of results (complete after sections 4 – 10)							
Post (name)	Number of personnel exposed	Lower Exposure Action Value reached?		Upper Exposure Action Value reached?		Exposure Limit Value reached? (Hearing protection accounted for)	
		L <sub>EP,d</sub> 80 dB(A)	L <sub>Cpeak</sub> 135 dB(C)	L <sub>EP,d</sub> 85 dB(A)	L <sub>Cpeak</sub> 137 dB(C)	L <sub>EP,d</sub> 87 dB(A)	L <sub>Cpeak</sub> 140 dB(C)
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

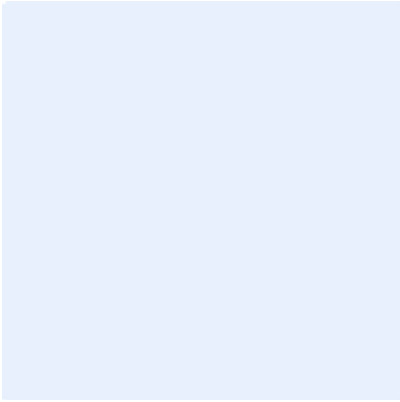
Is a specialist noise assessment or advice required due to presence of impulse noise or Exposure Limit Values exceeded with mitigation? (L<sub>EP,d</sub> over 100 dB(A)) Yes  No

## Measurement details

4. Measurement equipment				
Sound level meter		Serial No.		Date of calibration
Microphone		Serial No.		Date of calibration
Calibrator model		Serial No.		Date of calibration

**5. Description / sketch / images of area covered by the assessment**

(Identify locations of noise sources, normal working positions, etc)



**6. Details of operations / remarks**

(Detail the work / activities undertaken, and any control measures currently in place)

Measurement results									Hearing Protection		
Start calibration level (dB)				End calibration check (dB)					Make / model:		
Activity (as specified in section 6)	Measurement			Activity Noise Exposure					In use currently?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
	Duration	L <sub>Aeq,t</sub> dB(A)	L <sub>Ceq,t</sub> dB(C)	Activity Duration	L <sub>Aeq</sub> dB(A)	Exposure Points	L <sub>Ceq</sub> dB(C)	L <sub>Cpeak</sub> dB(C)	SNR:		
									L' <sub>Aeq</sub> at the ear (L <sub>Ceq</sub> -SNR+4) dB(A)	Exposure Points at the ear	
					<b>Total points</b>					<b>Total points</b>	
					L <sub>EP,d</sub> no hearing protection					L' <sub>EP,d</sub> with hearing protection	

## 7. Recommendations

Actions necessary to comply with JSP 375 Volume 1, Chapter 25 - Noise at work

**Reduction of noise exposure by means other than the provision of hearing protection**  
(Essential if personnel are exposed at / or above the Upper Exposure Action Value)

**Information, Instruction, and Training of personnel**

(Essential if personnel are exposed at or above the Lower Exposure Action Value)

**Hearing Protection Zones**

(Essential in all areas where personnel are exposed at or above the Upper Exposure Action Value)

**Provision of personal hearing protection**

(Where applicable, is the current hearing protection suitable and sufficient, or is additional / alternative hearing protection required? Include types and NATO Stock numbers, where possible)

**8. Additional recommendations**

(List any further actions which have not been previously discussed)

**9. Further comments**

**10. Action taken by commander, manager or accountable person**

<b>Name:</b>		<b>Signature</b> (only if form is completed by hand)	
<b>Post / Role:</b>		<b>Rank / Grade:</b>	<b>Date:</b>

## 11. Record of reviews

**Note:** A review **should** be undertaken at a frequency that is appropriate to the level of risk of the particular activity (e.g., **high risk** - potentially each time the activity is to be conducted or at least 6 monthly; **medium risk** review control measures and improve if reasonably practicable to do so (6 monthly or at least annually); **low risk** – annually), or if there is a change in work practices, equipment or personnel.

<b>Date of initial assessment</b>		<b>Reference No. of initial assessment</b>	
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<b>Date of review</b>	<b>Name of reviewer</b>	<b>Grade / Rank</b>	<b>Re-assess?</b>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

If a re-assessment is required, please fill in a new Noise Assessment Record and enter the details below.

<b>Reference No. of new assessment</b>		<b>Date of new assessment</b>	
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	Duration of exposure										Total exposure points (sum of points from individual exposure components)	Daily noise exposure $L_{EP,d}$ (dB(A))
	5 min	15 min	30 min	1 hr	2 hr	4 hr	8 hr	10 hr	12 hr			
110	350	1000	2000	4000	8000	16000	32000	40000	47000	32000	110	
109	250	800	1600	3200	6250	12500	25000	31000	38000	25000	109	
108	200	625	1250	2500	5000	10000	20000	25000	30000	20000	108	
107	170	500	1000	2000	4000	8000	16000	20000	24000	16000	107	
106	130	400	800	1600	3200	6250	12500	16000	19000	12500	106	
105	100	320	625	1250	2500	5000	10000	12500	15000	10000	105	
104	85	250	500	1000	2000	4000	8000	10000	12000	8000	104	
103	65	200	400	800	1600	3200	6250	8000	9500	6250	103	
102	50	160	320	625	1250	2500	5000	6250	7500	5000	102	
101	40	125	250	500	1000	2000	4000	5000	6000	4000	101	
100	32	100	200	400	800	1600	3200	4000	4500	3200	100	
99	25	80	160	320	625	1250	2500	3200	3800	2500	99	
98	20	60	125	250	500	1000	2000	2500	3000	2000	98	
97	16	50	100	200	400	800	1600	2000	2400	1600	97	
96	14	40	80	160	320	625	1250	1600	1900	1250	96	
95	10	32	65	125	250	500	1000	1250	1500	1000	95	
94	8	25	50	100	200	400	800	1000	1200	800	94	
93	7	20	40	80	160	320	625	800	950	625	93	
92	5	16	32	65	125	250	500	625	750	500	92	
91	4	12	25	50	100	200	400	500	600	400	91	
90	3	10	20	40	80	160	320	400	475	320	90	
89	3	8	16	32	65	125	250	320	400	250	89	
88	2	6	12	25	50	100	200	250	300	200	88	
87	2	5	10	20	40	80	160	200	240	160	87	
86	1	4	8	16	32	65	125	160	200	125	86	
85	1	3	6	12	25	50	100	125	150	100	85	
84	1	2	5	10	20	40	80	100	120	80	84	
83	1	2	4	8	16	32	65	80	100	65	83	
82	1	2	3	6	12	25	50	65	80	50	82	
81		1	2	5	10	20	40	50	60	40	81	
80		1	2	4	8	16	32	40	50	32	80	
79		1	2	3	6	12	25	32	40	25	79	
78		1	1	2	5	10	20	25	30	20	78	
77			1	2	4	8	16	20	25	16	77	

Table 1 – MOD - Noise exposure ready-reckoner (daily exposure)

**Instructions:**

- a. For each task or period of noise exposure in the working day look up in the table on the left the exposure points corresponding to the sound pressure level and duration (e.g. exposure to 93 dB(A) for 1 hour gives 80 exposure points);

	Above upper exposure action value ( $L_{EP,d}$ 85 dB(A))
	Above lower exposure action value ( $L_{EP,d}$ 80 dB(A))
	Below lower exposure action value ( $L_{EP,d}$ 80 dB(A))

- b. Add up the points for each task or period to give total exposure points for the day;
- c. Look up in the table on the right the total exposure points to find the corresponding daily noise exposure (e.g. a total exposure points for the day of 280 points gives a daily noise exposure of between 89 dB(A) and 90 dB(A)).