

Informal document **GRB-54-16**  
(54th GRB, 19-21 September 2011,  
agenda item 3(b))

# **Difference between TNO and OICA Analysis for M1 Sub Categories**

**19-21 September 2011**

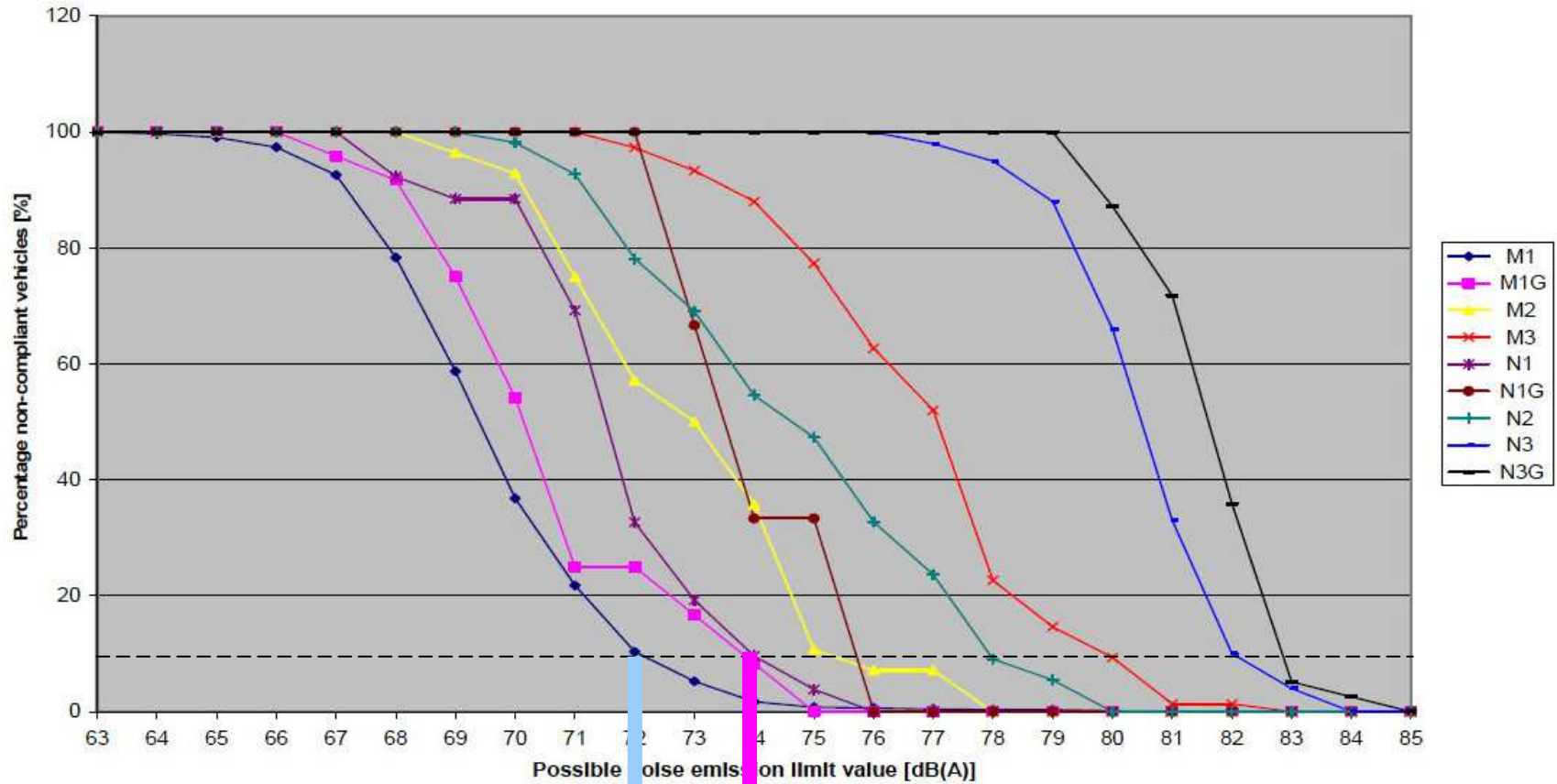
***JASIC***

# Comparison between TNO and OICA analysis for M1 category

		TNO		OICA	
		Normal	Off Road	Normal	Off Road
M1	PMR ≤ 125 kW/t	72 dB(A)	73 dB(A)	72 dB(A)	74 dB(A)
	125 < PMR ≤ 150 kW/t	72	73	73	74
	150 kW/t < PMR	73		75	-

# 10% cut off sound level (TNO data)

TNO analyzed M1 and M1G (off road) separately but PMR is not taken into account.

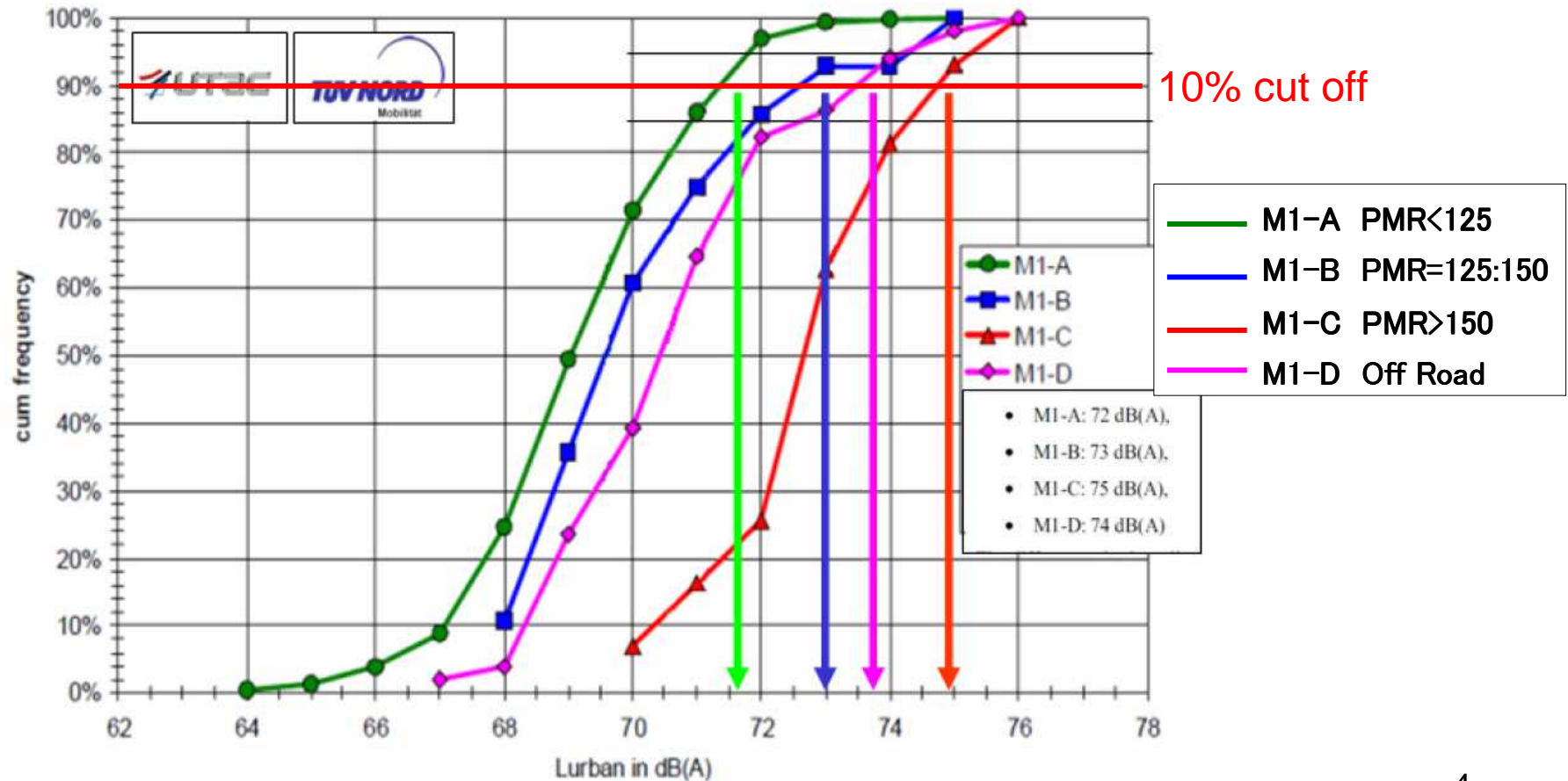


10% cut off  
M1 72dB(A)

10% cut off  
M1G 74dB(A)

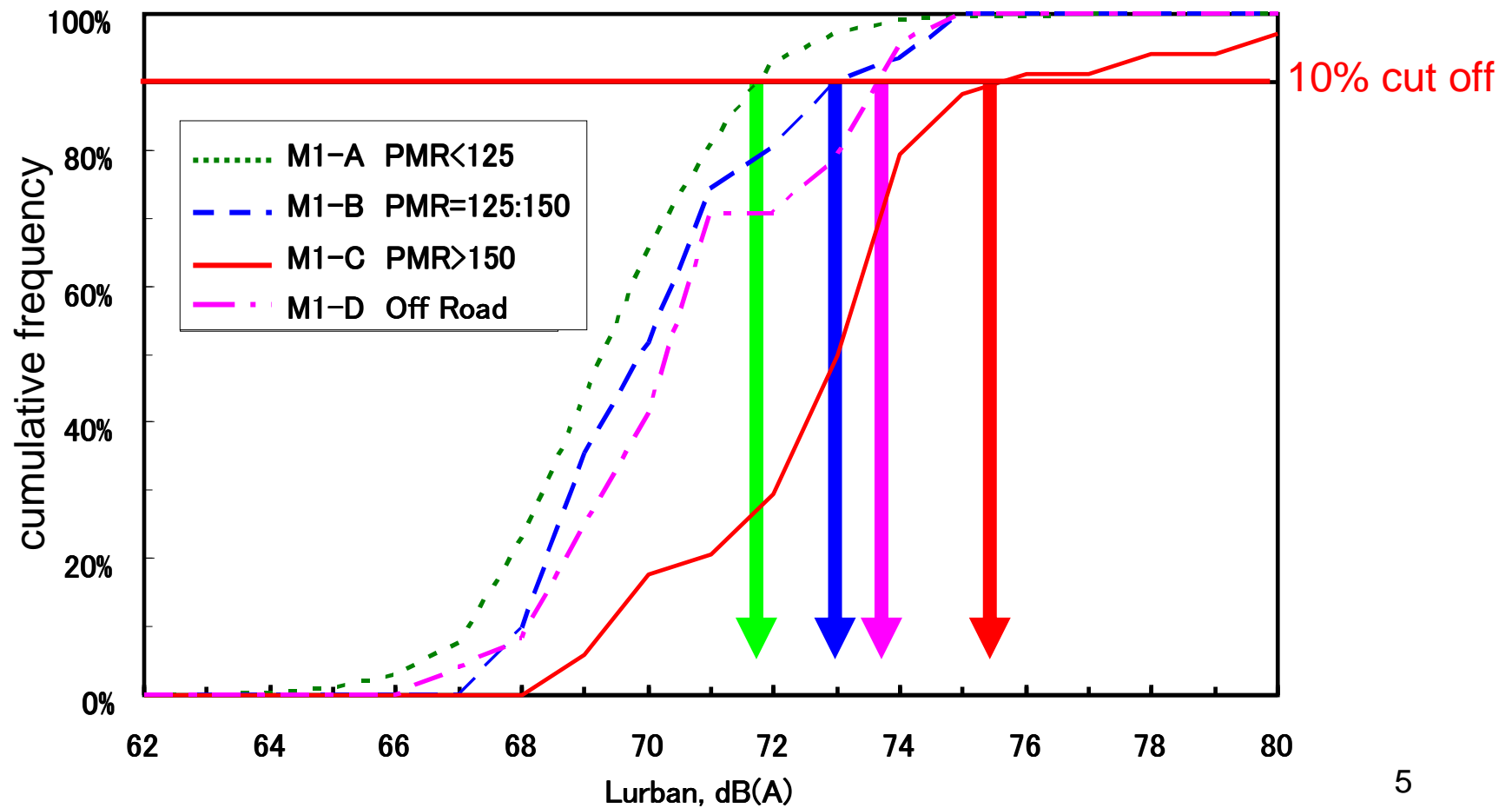
# 10% cut off sound level (OICA data)

OICA divided M1 into 3 sub categories depending on PMR and analyzed M1 and M1G.



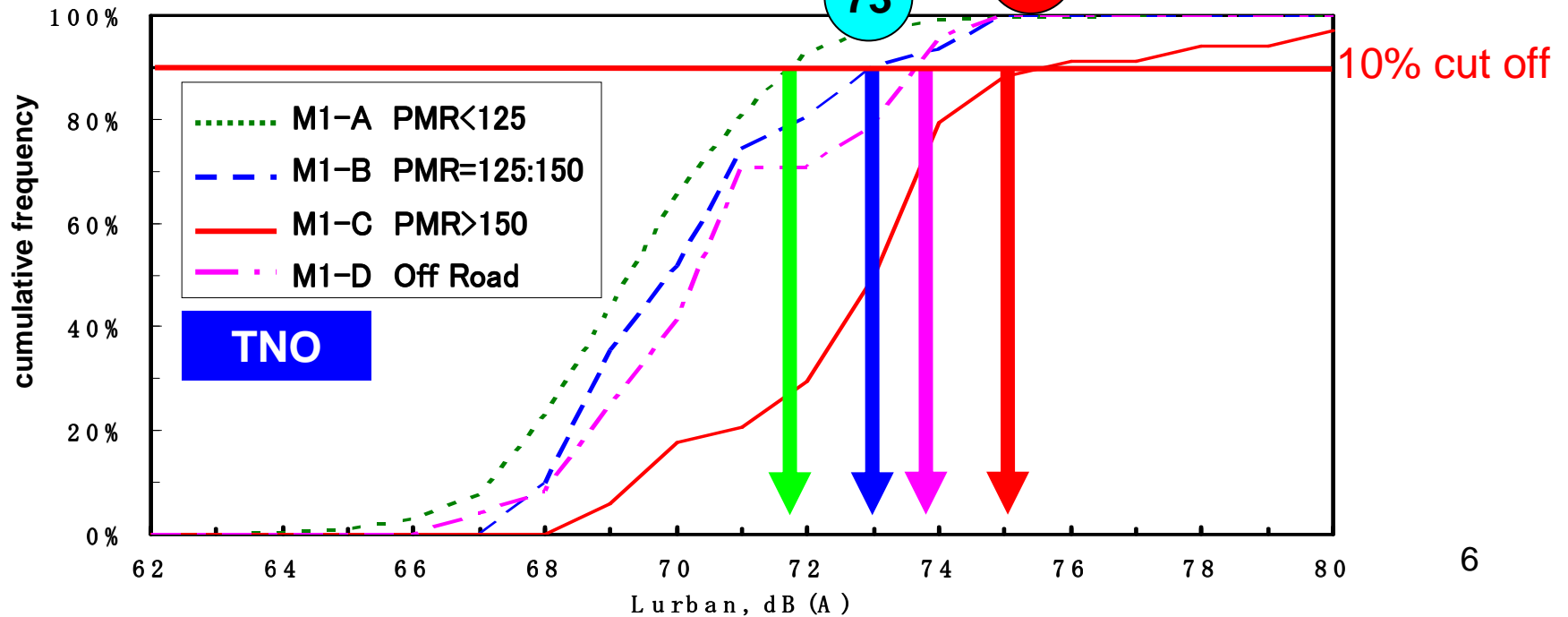
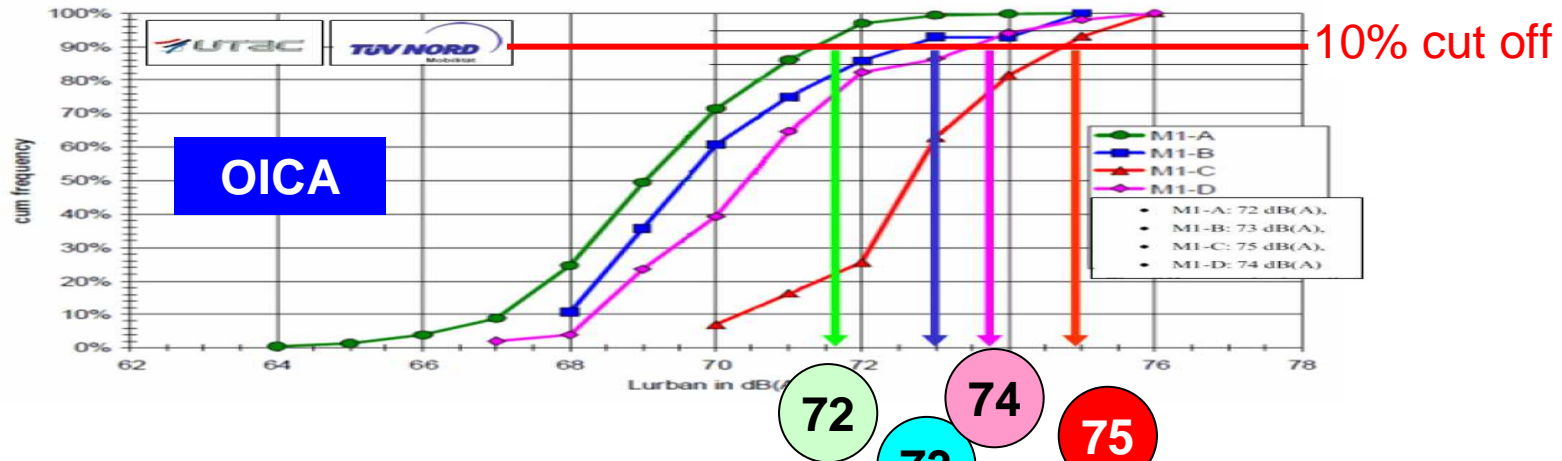
# 10% cut off sound level (re-analyze TNO data)

TNO data were divided into the same sub categories as OICA and re-analyzed.



# Results of OICA analysis and TNO re-analysis

10% cut off sound levels in TNO data base are same as those in OICA results in analyzing with same sub categories.



# Summary

- The results of TNO and OICA are same when the data are analyzed with the same condition.
- Appropriate condition for analysis should be defined.