

RECOMMENDED NOISE CRITERIA FOR OFFICES

Noise measurements made for the purpose of judging the satisfactoriness of the noise in an office by comparison with these criteria should be performed with the office in normal operation, but with no one talking at the particular desk or conference table where speech communication is desired (i.e., where the measurement is being made). Background noise with the office unoccupied should be lower, say by 5 to 10 units.

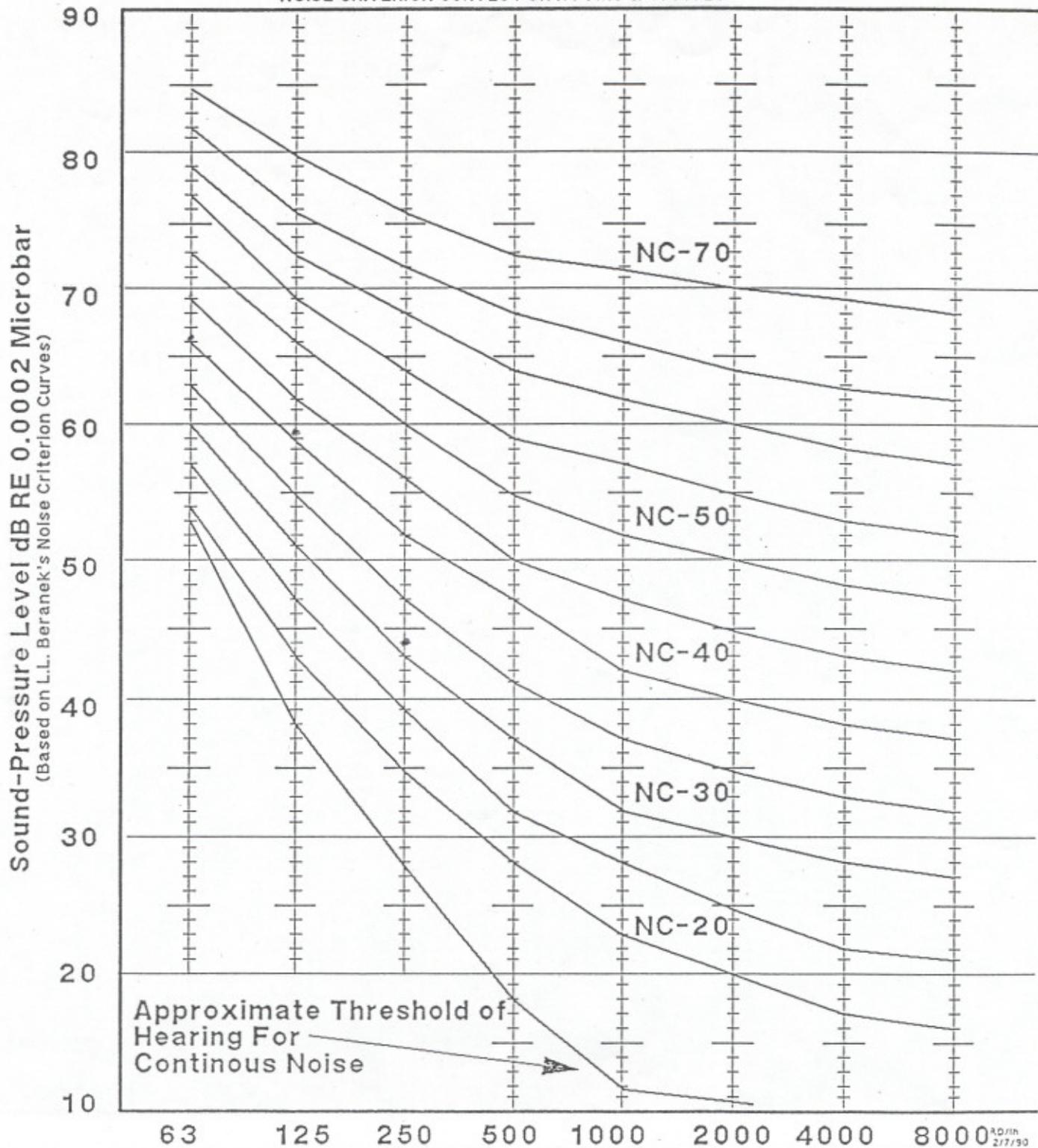
<u>NC Curve</u>	<u>Communication Environment</u>	<u>Typical Applications</u>
NC-20 to NC-30	Very quiet office; telephone use satisfactory; suitable for large conferences.	Executive offices and conference rooms for 50 people.
NC-30 to NC-35	“Quiet” office; satisfactory for conferences at a 15-ft. table normal voice 10 to 30 ft.; telephone use satisfactory	Private or semi-private offices, reception rooms, and small conference rooms for 20 people.
NC-35 to NC40	Satisfactory for conferences at 6-8 ft. table; telephone use satisfactory; normal voice 6-12 ft.	Medium-sized offices and industrial business offices.
NC-40 to NC-50	Satisfactory for conferences at a 4-5 ft. table; telephone use occasionally slightly difficult; normal voice 3-6 ft.; raised voice 6-12 ft.	Large engineering and drafting rooms, etc.
NC-50 to NC-55	Unsatisfactory for conferences of more than two or three people; telephone slightly difficult ; normal voice 1-2 ft.; raised voice 3-6 ft.	Secretarial areas (typing), accounting areas (business machines), blueprint rooms, etc.
Above NC-55	“Very Noisy” - office environment unsatisfactory; telephone use difficult	Not recommended for any type of office

RECOMMENDED NOISE CRITERIA FOR ROOMS

<u>Type of space</u>	<u>Recommended Noise Criterion Curve</u>
Broadcast studios.....	NC 15-20
Concert halls.....	NC 15-20
Legitimate theaters (500 seats, no amplification).....	NC 20-25
Music rooms.....	NC 25
Schoolrooms (no amplification).....	NC 25
TV Studios.....	NC 25
Apartments and hotels.....	NC 25-30
Assembly halls (amplification).....	NC 25-30
Homes (sleeping areas).....	NC 25-30
Motion Picture theaters.....	NC 30
Hospitals.....	NC 30
Churches.....	NC 30
Courtrooms.....	NC 30
Libraries.....	NC 30
Restaurants.....	NC 45
Coliseums for sports only (amplification).....	NC 50

From L.L. Beranek's Noise Criterion Curves

NOISE CRITERION CURVES FOR ROOMS & OFFICES



Octave Bands by Center Frequency, cycles per second

Measured Sound Pressure Level MMES Console

The NC curve assigned for this area/room is _____

See attached form for recommended guidelines.

AD/PH
2/7/90