



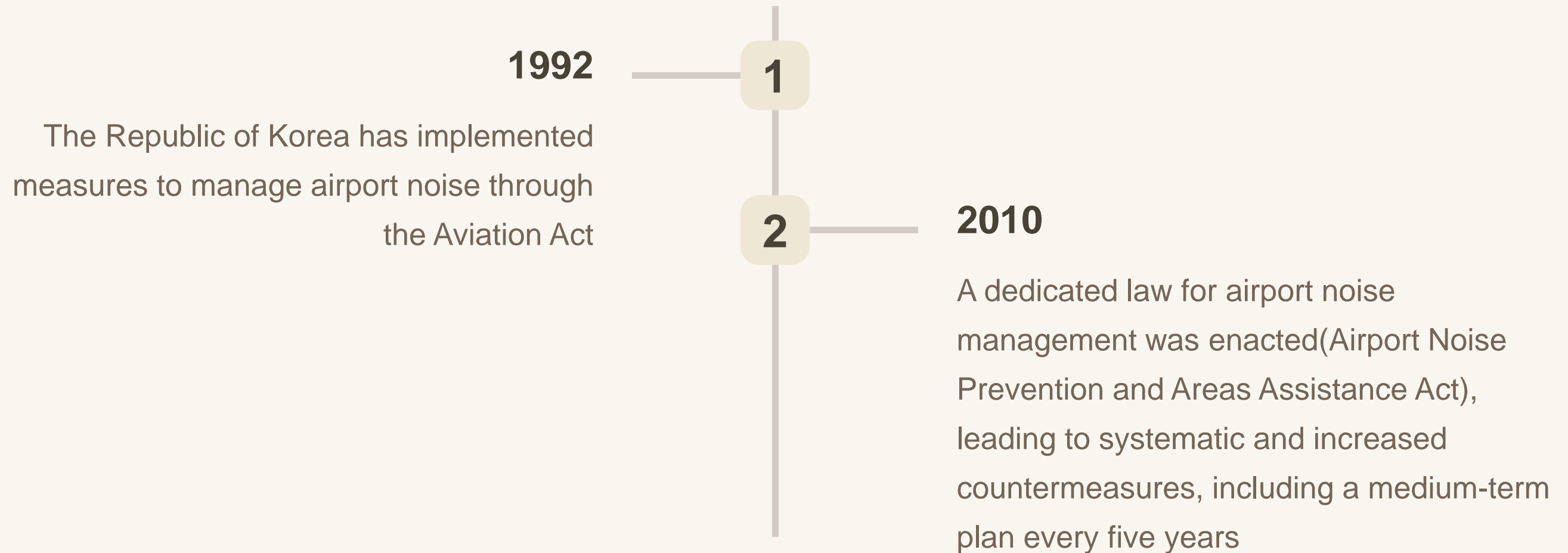
Effective Airport Noise Management

ICAO AOPSG8

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History of Airports Noise Management



Target of Airport Noise Management

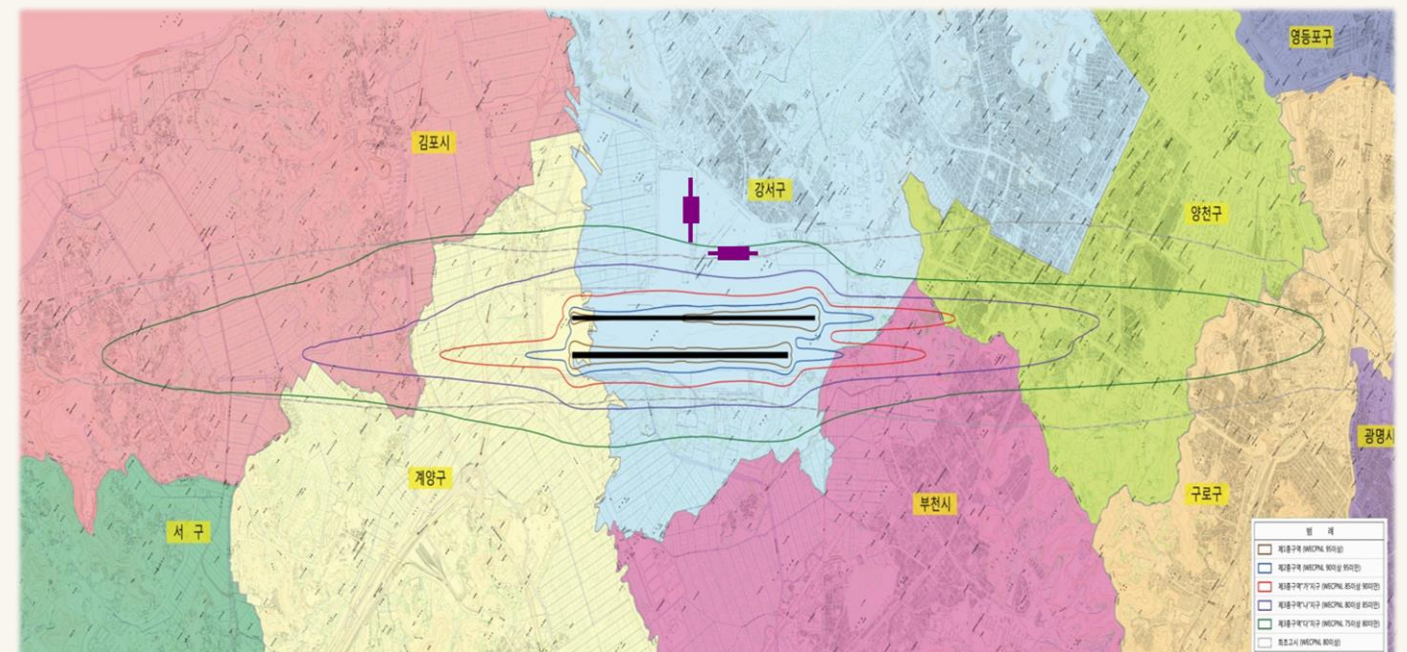
- Conduct noise impact assessments around airports every five years
- Designated 6 airports with 61 LdendB(A) or higher
- As of 2024, about 80,000 households, 210,000 residents

Classification		Noise Level(Lden dB)		Households	Residents
Requiring countermeasures Area	Type 1	79↑		82,431	218,959
	Type 2	75 ~ 79			
	Type 3	A	70 ~ 75		
		B	66 ~ 70		
		C	61 ~ 66		
Nearby Area		57 ~ 61		189,700	526,204

Airport noise contour map



Gimpo Airport



Details of Airport Noise Countermeasure Projects and Resident Support Projects

- Airport operators are responsible for implementing noise countermeasures

Classification	Project contents	Compensation Criteria
Noise countermeasure (LdendB(A) 61 or higer)	• Installation of soundproofing facilities	Average of 18,000 USD per household
	• Installation of air conditioners	Average of 2,500 USD per household
	• Support public broadcasting subscription fees	Around 2.10 USD per household monthly
	• Electricity bill support for air conditioner	Around 144 USD per household annually
	• Land purchase at the request of residents	Appraised value
Residents support (LdendB(A) 56 or higer)	<ul style="list-style-type: none">Facilities installation: library, sports complex, playground, etc.Income increase: joint workplaces installation and agricultural machinery purchase, etc.Others: Support for village events and scholarships, etc.	Around 7.1 million USD per year

Resident Support Projects

Library



Sports complex



Cultural center



Children's playground



Baseball stadium



Public park



Financial Resources

Division	Entity paying	Criteria
Airport revenue	Airport Operators	<ul style="list-style-type: none"> 75% of landing fee revenue
	Type	B777 B787 A330 A350
	Amount	1,480 USD 1,100 USD 1,040 USD 1,180USD
Noise charges	Airlines	<ul style="list-style-type: none"> 10~25% of the landing fee is charged according to the aircraft noise level
	Type	B777 B787 A330 A350
	Amount	330 USD 145 USD 235 USD 220 USD
Government subsidies	Government	<ul style="list-style-type: none"> If it is difficult to cover the project expenses with the above financial resources, state subsidies will be provided

Amount of financial resources					
Amount (Unit: 1M)	‘20	‘21	‘22	‘23	‘24 (E)
Airport Operator	26.4	26.2	19.1	21.0	33.9
Airline	5.6	7.1	5.5	6.5	4.1
Government	–	6.4	6.5	3.4	–
Total	32.0	39.7	31.1	30.9	38.0

Thank you for your attention.