

Summary of Evaluation Test Results of Advanced Body Scanner Operation

< Implementation period >

(Equipment employed)

① Kansai International Airport	Terminal 2	October 15 (Thu) ~ October 26 (Mon), 2015	(a)
② Narita International Airport	Terminal 1	October 27 (Tue) ~ November 3 (Tue), 2015 November 18 (Wed) ~ November 25 (Wed), 2015 November 26 (Thu) ~ December 3 (Thu), 2015	(b) (c) (d)
③ Haneda International Airport	International Terminal	November 5 (Thu) ~ November 16 (Mon), 2015 December 5 (Sat) ~ December 16 (Wed), 2015	(d) (b)

< Equipment employed >

Maker (Country of manufacture)	Model	Size (m): height x width x depth, Weight	Radio wave specification	Inspection method	
				Detection method and display	Detection time
L3 (U.S.)	(a) ProVision ATD 	2.67 × 1.95 × 2.65 682kg	Milimeter wave, Active type	Enter inside of equipment, put up hands and stand still (about 3 seconds) 	7 to 10 seconds from entry to confirmation by display
	(b) ProVision 2 	2.36 × 1.50 × 2.31 695kg			
Smiths (Germany)	(c) eqo 	2.11 × 1.08 × 2.42 470kg	Milimeter wave, Active type	Put up hands and rotate 360-degree (an average of 10 to 15 seconds) 	12 to 20 seconds from entry to confirmation by display
Rohde & Schwarz (Germany)	(d) QPS200 	2.35 × 1.3 × 2.6 630kg	Milimeter wave, Active type	Stand still with hands down (about 0.064 second) 	About 10 seconds from entry to confirmation by display

< Number of passengers checked by body scanner >

17,765 customers kindly accepted security check by advanced body scanner.

(2,700 people at Kansai International Airport, 7,176 people at Narita International Airport, 7,889 people at Haneda International Airport)

	Provision ATD(a)	Provision 2 (b)	eqo (c)	QPS200 (d)	Total
Kansai International Airport	2,700				2,700
Narita International Airport		2,567	2,478	2,131	7,176
Haneda International Airport		4,054		3,835	7,889
Total	2,700	6,621	2,478	5,966	17,765

< Questionnaire results >

2,509 customers responded to the questionnaire.

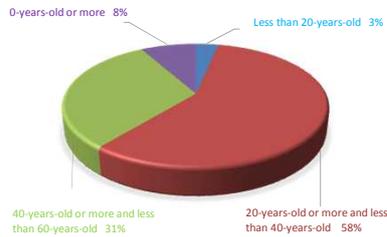
(Kansai International Airport: 733 people, Narita International Airport: 1,132 people, Haneda International Airport: 644 people)

1. About yourself

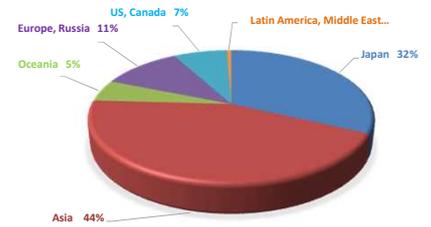
(1) What is your sexuality ?



(2) What is your age group ?

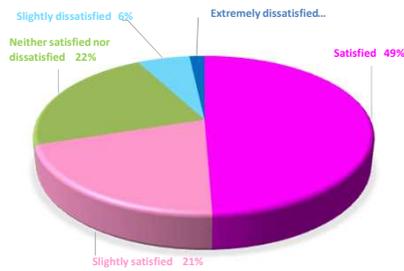


(3) What is your nationality ?

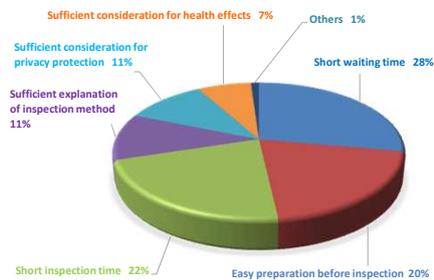


2. What is your feedback after the operation evaluation test?

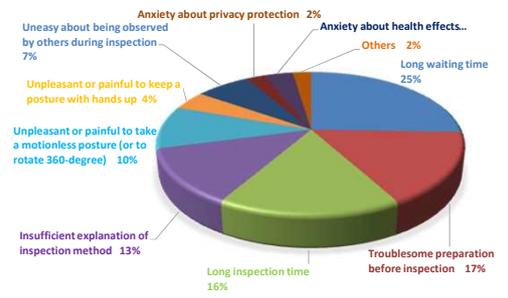
(1) Overall inspection by advanced body scanner



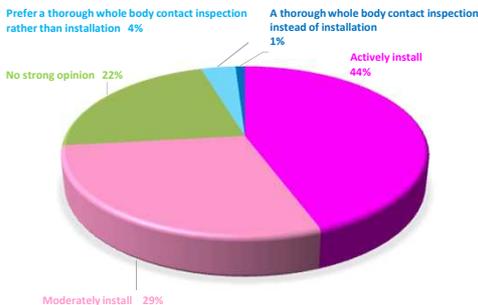
(1-1) Reasons for 'Satisfied' or 'Slightly satisfied'



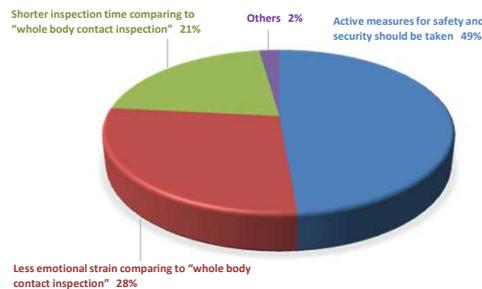
(1-2) Reasons for 'Slightly dissatisfied' or 'Extremely dissatisfied'



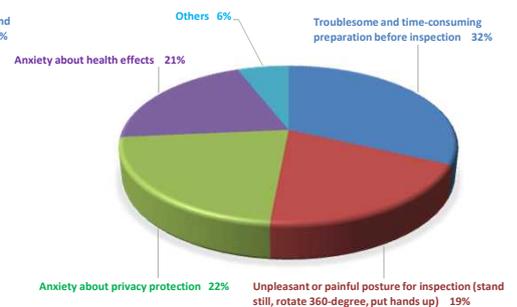
(2) Future installation



(2-1) Reasons for 'Actively install' or 'Moderately install'



(2-2) Reasons for "'Whole body contact inspection' in stead of installation' or 'Prefer to "whole body contact inspection"'



3. Other major comments

(1-1) 'Satisfied' or 'Slightly satisfied'

- Not particularly unpleasant
- Smooth and very good inspection

(1-2) 'Slightly dissatisfied' or 'Extremely dissatisfied'

- Removing boots is bothersome
- The equipment reacted without any prohibited article

⇒ (Note from Aviation Bureau) In some cases, slack of clothes could be reacted by the equipment, since prohibited articles could possibly be hidden in the slack.

(2-1) 'Actively install' or 'Moderately install'

- Prerequisite to curb terrorism
- Other airports should install the equipment as well.

(2-2) 'Preferably conduct a thorough "whole body contact inspection" without installation of the equipment'

'New equipment should not be installed and a thorough "whole body contact inspection" should be carried out'

- Waiting time is too long
- Passengers worry about X-ray

⇒ (Note from Aviation Bureau) Body scanner uses radio wave called millimeter wave and the strength of radio wave is approximately from a few hundredth to ten-thousandth compared to a cell-phone. Radioactive ray such as X-ray is not used.

