

FACILITY PHYSICAL ACCESS CONTROL SYSTEM SURVEY
for use by the NMSAC TWIC Working Group ONLY

The responses compiled below are from both Port Authorities and Private Terminal Operators from the membership of the American Association of Port Authorities (AAPA) and National Association of Waterfront Employers (NAWE). As requested and promised, facility names are not being included in this summary results set.

1. Company / Facility Name:

Total Respondents **50**
(skipped this question) **4**

2. A Physical Access Control System (PACS) is defined as "a system composed of hardware and software components that control access to physical facilities (i.e.: a terminal gate, warehouse, building, etc...) Do your facilities currently have Physical Access Control Systems (PACS) in place?"

	Response Percent	Response Total
YES	59.3%	32
NO	40.7%	22
	Total Respondents	54
	(skipped this question)	0

3. Are you currently testing or have you implemented biometrics at any of your facilities?

	Response Percent	Response Total
YES	27.3%	9
NO	72.7%	24
	Total Respondents	33
	(skipped this question)	21

4. If so, what type(s) of biometrics are being used or tested?

	Response Percent	Response Total
Finger	66.7%	8
Facial	0%	0
Iris	0%	0
Retina	0%	0
Hand Geometry	16.7%	2
Other (please specify) <ul style="list-style-type: none"> • Facial Recognition • Manual Facial Recognition by Security Guards at In Gates • Personal I.D. and vehicle license plates 	25%	3
	Total Respondents	12
	(skipped this question)	42

5. What type(s) of card(s) and reader(s) are you currently using?



	Response Percent	Response Total
mag stripe	25.9%	7
proximity	48.1%	13
smart card	14.8%	4
barcode	11.1%	3
<ul style="list-style-type: none"> • Infrared gate openers 		

Other (please specify)	<ul style="list-style-type: none"> • None • Magstripe, however not used at all access control points • photo ID 	14.8%	4
		Total Respondents	27
		(skipped this question)	27




6. Are you currently using “dual technology” cards? (e.g. both a mag stripe and a prox chip)

	Response Percent	Response Total	
YES 	10.7%	3	
NO 	89.3%	25	
Other (please specify)	0%	0	
		Total Respondents	28
		(skipped this question)	26

7. If so, are both technologies are used for access control at your location?

	Response Percent	Response Total	
YES 	26.7%	4	
NO 	73.3%	11	
Other (please specify)	0%	0	
		Total Respondents	15
		(skipped this question)	39

8. In the case of your system,

	Response Percent	Response Total	
the ID badge issuance software assigns and encodes the access card itself. 	45.8%	11	
the ID badge software utilizes “pre-encoded” cards delivered from the factory. 	33.3%	8	
Other (please specify)  <ul style="list-style-type: none"> • Neither • TWIC PROTOTYPE Cards • FSO intervention • The PA encrypts information into card 	20.8%	5	
		Total Respondents	24
		(skipped this question)	30

9. How many digits are you currently using/reporting on the badge number assigned to a cardholder? (i.e., 6 digits, 7 digits, etc.)

- 6
- 4
- 5
- 5
- Do not understand the Question
- 12
- 5
- 5
- 7
- 16
- N/A
- 3-4
- 10
- none
- 7
- 5

- 5
- 6-7
- 8
- 4
- 4-7
- 4
- 9
- 5



Total Respondents 24
 (skipped this question) 30

10. What is the approximate “max value” issued that you have currently reached in that sequence?





- 298573
- 300
- 30 (Small Port)
- Issued by PMA (4,000 Cards)
- less than 150 cards
- ?
- 10205
- 20,500
- N/A
- N/A
- 100
- 98,000 (For the Port of NY/NJ)
- 150
- Nine
- Unknown at this time
- 1600
- unknown
- 6500
- ?
- 60000

Total Respondents 20
 (skipped this question) 34

11. Does your PACS allows badge numbers to be assigned by an external process, or does it require that the system must be in control and assign badge numbers from its own internal pool?

		Response Percent	Response Total
Allows external process		40.9%	9
System must control		45.5%	10
Other (please specify)	<ul style="list-style-type: none"> • N/A • The PA issues Sea Link Cards • We assign the badge number 	13.6%	3
		Total Respondents	22
		(skipped this question)	32

12. What type of communication is used between your readers and control panels?

		Response Percent	Response Total
Wiegand		25%	5
RS 485		15%	3
RS 232		10%	2
Ethernet (TCP/IP)		35%	7
Other (please specify)	<ul style="list-style-type: none"> • N/A • Project not started yet, but will begin early FY07 • Microwave 	15%	3
		Total Respondents	20

13. PACS are limited in the size of the card number used to identify cardholders in the system. This capability is typically measured in bits. Because of the large population of TWIC, the numbering scheme for unique card holder numbers could generate data that is larger than some systems can process. What is the maximum bits per card number/cardholder? (e.g. 26 bit, 32 bit etc...)

- 20 characters / bytes in our PACS
- 32
- 26
- 32 bit
- ?
- 32
- 26
- N/A
- Need to get consultant to answer.
- PC Based 128 bits or more
- N/A
- 32 Bit
- 26
- 30
- 32 bits
- 2K
- 26 bit

Total Respondents 17
 (skipped this question) 37

14. Any additional information you would like to add related to the above items:

- We use a combination of MIFARE smart cards, some magnetic stripe, and some HID Prox. The latter two are for low-security environments. Our PACS supports a maximum badge number size of 20 characters, although we are currently using a 6 digit number. In our own internal database (outside of the PACS) we also associate the badge number with a global unique identifier (GUID).
- Harbors will be starting with Honolulu Harbor facilities first, then the neighbor island harbor facilities. It will be biometric, using finger scanning, smart card type to be compatible whenever 'TWIC' is implemented and a no later date for implementation is given by the USCG/DHS.
- This PACS has been 'grown' over the last five years. The value, measured in dollars, behind the existing identification files is very large. Any system that would require re-establishing this file will be expensive.

Total Respondents 3
 (skipped this question) 51

15. What is the name of the manufacturer of your following PACS components?

Response Percent Response Total



- Johnson Controls (Cardkey)
- AWID
- Door King DKS
- Built by Tactical Security Network

	<ul style="list-style-type: none"> • honeywell • HID • Lenel • Hirsch • N/A 		
Control Panel	<ul style="list-style-type: none"> • Dell server/SQL Database • LA King • Unknown at this time • MultiNode 2100 • Software House • Kerisystems <hr style="border: 2px solid black; margin: 10px 0;"/>	83.3%	15
	<ul style="list-style-type: none"> • Sagem Morpho & IE Prox • AWID • Casi Rusco • HID • HID • Hirsch • (Florida) • LA King • HID • Unknown at this time • CTE, Inc • Series 600/700/800 Serial Smartmax • Farpointe Data <hr style="border: 2px solid black; margin: 10px 0;"/>		
Reader		72.2%	13
	<ul style="list-style-type: none"> • Various MIFARE card manufactures • AWID • MiFair Card (PMA) • HID • HID • Wiegen • Twic Prototype cards • N/A The PA of NY/Nj • HID • MagicCard 		
Cards		72.2%	13

	<ul style="list-style-type: none"> • Indenticard • HID • HID 		
	<hr/> <ul style="list-style-type: none"> • Johnson Controls (Cardkey) • WIN PAK • Embarcadaro Systems • Point Guard • Kronos Gatekeeper 		
System Software (if applicable)	<ul style="list-style-type: none"> • Lenel • Custom writen • Lenel • Velocity • Attendance Enterpirse • AMAG 5.01 Enterprise • CCure • Kerisystems 	72.2%	13
		Total Respondents	18
		(skipped this question)	36

16. What is the make, model number(s), or version for these components?

		Response Percent	Response Total
	<hr/> <ul style="list-style-type: none"> • CK720 and CK721 • KeriSystems INC • Unknown • honeywell 		
Control Panel	<ul style="list-style-type: none"> • Lenel LNL - 1000 • N/A • LA King • Unknown at this time • PXL-500w 	75%	9
	<hr/> <ul style="list-style-type: none"> • Morpho Access (Sagem) and ISO 14443 Reades (IE Prox for non-biometric uses) • Casi Rusco • HID • LA King • Unknown at this time 		
Reader		50%	6

	<ul style="list-style-type: none"> • P-500 Alps Proximity Reader 		
	<hr/> <ul style="list-style-type: none"> • Classic MIFARE 4K • PMA • HID 1336LGGMN 	58.3%	7
Cards	<ul style="list-style-type: none"> • N/A The PA of NY/NJ • Unknown at this time • VIS 100 • HID Proximity, 1326LMSMV 		
	<hr/> <ul style="list-style-type: none"> • Johnson Controls P2000 • 2 		
System Software (if applicable)	<ul style="list-style-type: none"> • Embarcadaro Systems • Lenel On Guard ET 3rd Edition • Velocity V 3.0 • Unknown at this time • Doors 	58.3%	7
		Total Respondents	12
		(skipped this question)	42

17. Is the ID badge enrollment/issuance system separate from the access control system? (i.e., different vendor products)

		Response Percent	Response Total
YES	<hr/>	55.6%	10
NO	<hr/>	44.4%	8
		Total Respondents	18
		(skipped this question)	36

18. Any additional information you would like to add related to the above items :

- The PA of NY/NJ controls issuance of the Sea Link Cards and transmission of data to the Terminal Operators in the Port.
- The consultant for the installation of our harbors access control system knows the details of the system. However, the system will be tied in to our CCTV base stations at our various facilities.
- Do not release name of organization with specific product and model information.
- ID Badge enrollment software is 'Winbadge Aviation' from Goddard Technology.

Total Respondents 4
(skipped this question) 50

19. (Optional) Please provide your contact information so that we can reach you if we have questions about your responses. This data will not be included in the amalgamated results presented to the working group.

		Response Percent	Response Total
Name:	<hr/>	100%	34
Title:	<hr/>	100%	34
Organization:	<hr/>	97.1%	33
E-mail:	<hr/>	100%	34
		Total Respondents	34
		(skipped this question)	20