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NEWS RELEASE

Airport Completes \$124 million in-line Explosive Detection Baggage System in 18 Months

For immediate release

TAMPA, Fla. (July 13, 2004) – Tampa International Airport (TPA) becomes the first airport in the U.S. to implement a new multi-user in-line baggage handling system that is fully integrated with 21 explosive detection systems (EDS) machines, making it 100 percent operational for screening checked baggage for all airlines serving the airport.

Tampa International Airport is one of the first airports to own and maintain the entire outbound baggage system, traditionally, baggage handling systems are owned by the airlines. Just behind Boston's Logan International Airport, TPA is the second large-hub-airport in the U.S. to implement a 100 percent in-line baggage screening system.

In August 2002, the Aviation Authority selected Skanska to design and build a world-class, in-line baggage screening system utilizing Transportation Security Administration (TSA) - certified explosive detection technology to meet the Federal requirement for 100 percent EDS screening of checked baggage by December 31, 2002.

Airports were required to provide the necessary infrastructure so the TSA could screen 100 percent of checked baggage. Working with the TSA, the Aviation Authority implemented an interim 'ticket lobby' solution. The EDS machines were placed on the ticket level of the main terminal building. However, the Aviation Authority decided that the lobby configuration was not user friendly and would restrict passenger circulation, therefore; the decision to proceed with a new in-line baggage system was made. The TSA then selected L-3 communications to provide the advanced, high-tech explosive detection devices that are transparent to passengers checking baggage.

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The system was completed in phases: June 2003 – 40 percent of all customers used the new hassle-free system, November 2003 – 75 percent and June 24, 2004, 100 percent.

Items of interest:

There are 21 EDS machines with expansion capability to 25 -- EDS processing rate is 6 bags per minute.

If you put all the conveyors belts together and stretched them out end-to-end it would extend eight miles - the distance from Tampa International Airport to Ybor city.

The power consumed in the baggage system and associated facilities can power 500 average-sized homes.

Total electrical costs are approximately \$1 million annually

The baggage system contains 3000 electric motors and gear boxes.

The system operates 20-hours-per-day and is expected to process 35,000 bags in a peak day at the current passenger level.

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Louis E. Miller Executive Director

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Peter O. Knight Airport Plant City Airport Vandenberg Airport

Fact Sheet
Tampa International Airport
Baggage Handling System

- **Description**
 - Inline screening at main terminal building and transporting to new Baggage Sortation facilities at Airsides.
- **Constructed in Four phases.**
 - Phase 1 – Airsides D and E: Inline June 2003 (40 percent inline)
 - Phase 2 – Airside A: Inline November 2003 (75 percent inline)
 - Phase 3 – Airside F: Inline June 24, 2004 (100 percent inline)
 - Phase 4 – Airside C: Projected Inline April 2005 (Airside opening)
- **Landside Screening**
 - Eight (8) screening loops (2 per airside) with 3 Explosives Detection Systems (EDS) each. 21 EDS machines with expansion capability to 25.
 - EDS processing rate is 6 bags per minute.
 - Loop processing rate is 1080 per hour. Processing rate for total system is 8640 per hour.
 - 35,000 square feet of air conditioned space.
- **Airside Sort Facilities**
 - Four (4) sortation facilities totaling 100,000 square feet.
 - 26 sort devices (Piers or carousels)
 - Transport rate is 240 feet per minute.
 - Bags are sorted by carrier or flight by reading bar-coded bag tags.
 - Bags that are not read properly are manually encoded by HCAA staff.
- **Historical Data (as of July 12th)**
 - 4.2 million bags were processed inline from November 14, 2003 through July 12, 2004.
 - Peak month: March 2004 – 625,432 bags (75 percent)
 - Peak day: March 20, 2004 – 26,265 bags (75percent)
 - Current processing rate (100 percent) – 600,000 bags per month
 - Current rate @ historical peak – 800,000 bags per month
- **Staffing**
 - FY04 staff – 48 full time equivalent employees
 - FY05 staff – 65 full time equivalent employees
 - Allocation of Labor – 60 percent operations, 40 percent maintenance
 - Baggage system operation staffed 20 hours per day (maintenance performed during off-hours).
 - Annual labor cost – \$1.8 million in FY04 and \$2.4 million in FY05
- **Utilities**
 - 300 tons of air conditioning required to cool the EDS and control spaces.
 - Total electrical costs – Approx. \$1 million per year

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