

CITY OF CLEVELAND – DEPARTMENT OF PORT CONTROL

Ordinance No.: [986-2022](#)

Section: Information Technology

EXECUTIVE SUMMARY

The Department of Port Control (“Department”) is requesting authority to employ one or more professional consultants, software developers, and/or vendors to develop, implement, and maintain a standalone, independent Emergency Alert Notification System (“Crash Phone”); and authorizing the purchase by one or more contracts for two (2) Emergency Alert Notification Systems and related equipment and software, for Cleveland Hopkins International and Burke Lakefront Airports, for a term of one year, with four (4) one-year options to renew, exercisable by the Director of Port Control.

Background/Purpose:

Airports that are FAA Part 139 certified must have procedures and equipment that, in the event of an actual or potential aircraft accident, alerts Airport Rescue and Fire-Fighting (ARFF) personnel who must then respond to specific staging points within a matter of minutes. Guidance on such types of Airport Emergency Communications is provided in FAA Advisory Circular 150/5210-7D.

Operation of an Emergency Alert Notification System (“Crash Phone”) is automatic, with no dialing involved and is extremely simple which is important and appropriate for an emergency communications system. The emergency crash call is typically initiated by Federal Aviation Administration (FAA) personnel in the Air Traffic Control Tower (ATC) at the airport where the endangered aircraft is being controlled. The ATC controller simply picks up the phone handset and all of the other phones ring. After a few seconds to allow the parties to answer, the ATC provides information necessary for the response.

In large North American airports, crash phone events occur several times per week, though few result in actual fire-fighting and rescue activities. This is why this is a critical link that needs to be reliable to allow critical emergency communications within the Cleveland Airport System.

Scope:

The scope of work consists of, but shall not be limited to:

The purchase of a standalone, independent crash phone system, including design, installation, equipment, software, testing, training, and maintenance support.

The Emergency Notification System (“Crash Phone”) shall link four separate physical locations:

- FAA Air Traffic Control Tower (ATC);
- Airport Aircraft Rescue & Fire Fighter (CLE-ARFF) Station;
- Airport Operations (CLE-AOPS);
- City of Cleveland Police – Airport Unit (CLE-PAU); and
- U.S. Coast Guard (BKL-USCG)

Justification/Urgency:

A crash phone system is used only in case of emergency, for the deployment of response teams to a potential safety threat, and/or to an actionable emergency firefighting scene. The crash phone system is the critical first step in real-life situations where the key concern is rapid response to improve chances of survivability.

The consequences of a failure in the crash phone system is a serious consequence for airport operations. The current notification system was installed when the ARFF station was constructed in 1992. This system has failed and been out of service multiple times and is in desperate need of replacement. The Airport can be fined by the FAA for non-compliance to federal safety regulations and it can even lose its commercial certification and all future commercial revenue.

Anticipated Cost:

\$120,000.00

Schedule or Term of Contract:

The term of the contract is for one year, with four (4) one-year options to renew, exercisable by the Director of Port Control.