



SYSTEM DESIGN GUIDE

REGIONAL AIRPORT

Vocia®

As major airports grapple with unprecedented passenger demand, travelers are beginning to turn their attention to smaller regional hubs to meet their needs. Although they serve a smaller number of destinations and tend to be located in less populated areas, regional airports have the same paging and life safety evacuation needs as their larger counterparts. Like any air travel facility, regional airports include restaurants, pre- and post-security areas, retail shops, baggage claim areas, ticket counters, and multiple gates.

In this Transportation scenario, gate agents can broadcast live or prerecorded messages to a specific gate, to a particular zone or zones, or throughout the entire airport. Biamp's Vocia platform supports an integrated emergency communication system as well as non-emergency paging functionality. With the latest Vocia enhancements, pages can be up to 30 minutes in length, which gives airports the ability to create one message in multiple languages, rather than having to create many separate messages and piece them together. Vocia offers multiple types of paging options, including recorded, scheduled, and live, as well as VoIP paging. In addition, Vocia can manage background music in different areas of the building. Because there is no single point of failure, the system shown in this scenario will continue to operate normally if one part of the system is damaged or goes offline.

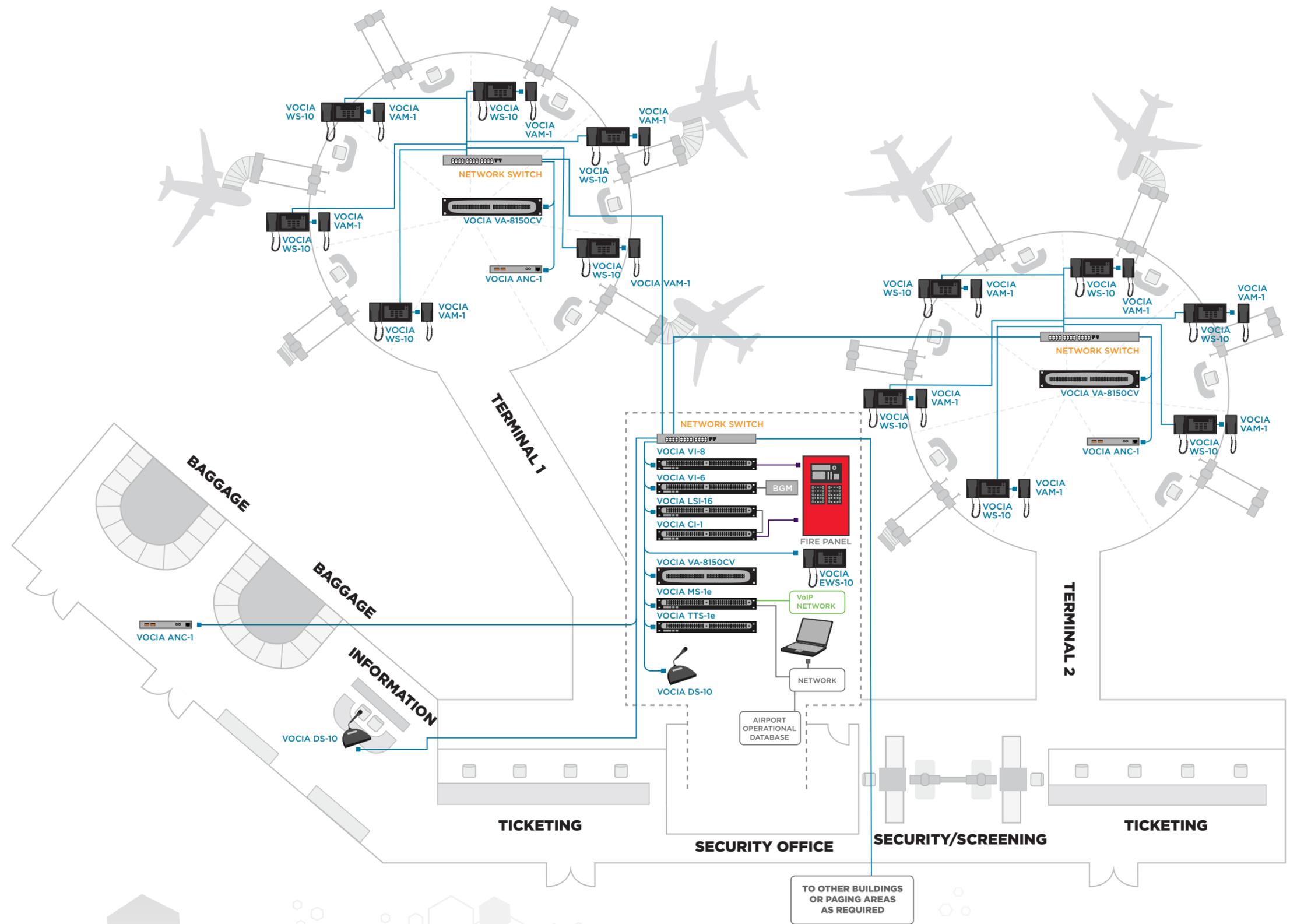
SYSTEM DESIGN GUIDE

REGIONAL AIRPORT

Vocia is EN-54 certified as well as NFPA 72-2016 compliant, and serves as the hub for all paging and emergency system support needs. Integrating paging with ambient noise compensation hardware allows the paging volume to adjust automatically to the space's ambient volume, thus ensuring pages are audible and intelligible, which is crucial in times of emergency. In addition, Vocia's Text-to-Speech Server (TTS-1e) functionality provides greater options for creating messages from simple text. Vocia also has the ability to interface with the Airport Operational Database, allowing announcements from other systems like Flight Information Display Systems (FIDS) and Building Management Systems (BMS). Visit support.biamp.com for more information.

VOCIA FEATURES

- Scalable to grow with a facility's needs
- Decentralized networking with no single point of failure
- Install or replace Vocia hardware without taking the system offline
- Standard paging and critical paging in one platform
- Adjusts the page volume based on the ambient noise in that zone



BIAMP EQUIPMENT LIST

VOCIA PRODUCTS

Product	Function
VA-8150 CV Amplifiers	Provide network amplification for each terminal and for ticketing, baggage claim, arrivals/ departures, and common areas.
WS-10 Paging Stations	Wall-mounted paging stations with embedded DSP for each departure gate.
VAM-1 Auxiliary Microphones	Ramp microphones for each departure gate.
MS-1e Message Server	Offers multiple paging options including a VoIP paging interface, message playback and event scheduling.
TTS-1e Text-to-Speech Server	Creates text-to-speech announcements; modular and scalable to many zones and languages.
LSI-16 Life Safety Interface	Serves as an interface between a Vocia system and the Fire Alarm Control Panel.
CI-1 Control Interface	Allows the LSI-16 to interface with the Fire Alarm Control Panel.
VI-6 Audio Input Device	Supports up to six audio or background music inputs.
VI-8 Input Device	Allows emergency messages to play directly from the Fire Alarm Control Panel through the Vocia system.
DS-10 Paging Stations	Desktop networked paging stations for the Information Desk and the Security Office with up to 999 user-configurable page codes.
EWS-10 Emergency Paging Station	Wall-mounted networked emergency paging station with up to 999 user-configurable page codes.
ANC-1 Ambient Noise Compensation Devices	Used in the common areas of each terminal and baggage claim, the ANC-1 adjusts the page volume based on ambient noise levels.

For accurate speaker line monitoring in a Vocia system, ELD-1 or PLD products will be required. Quantities vary by zones and/or speaker runs.