

# WHAT'S HAPPENING!!

*(because we are hip to things and still "with it", whatever "it" is)*

## ASTi Introduces the Enterprise License Agreement

Over the last decade, the number of government training sites using ASTi products has significantly increased. Customers want greater flexibility, guaranteed upgrades, and lower maintenance costs throughout the product's life. ASTi responded with a new Enterprise License Agreement (ELA) subscription for its popular Voisus product.

Customers receive a range of benefits:

- Unlimited license downloads and distribution
- Regular software updates with the latest features and fixes
- Information assurance (IA) updates and patches
- Ongoing compliance with DoD IA standards, including Risk Management Framework (RMF)
- Operating system (OS) migration
- Dedicated ASTi program manager
- Help desk and technical support
- Engineering, testing, and integration
- On-site fielding
- Staff and user training
- Product sustainment

*The ELA is flexible enough to meet evolving training requirements, but it doesn't sacrifice ASTi's world-class support. Contact ASTi to find out how the ELA can benefit your program.*

## SERA for Ab Initio Military Pilot Training

ASTi will provide the simulated ATC environment (SATCE) for a major overseas military pilot training program. ASTi's Simulated Environment for Realistic ATC (SERA) product was chosen to replace the incumbent ATC simulation system.

The contract award is expected to exceed US\$1M in value over the aggressive, seven-month delivery schedule. ASTi created a dedicated SERA cloud instance for the customer only one day after receipt of order (ARO). The first hardware shipment will occur within two weeks ARO. The customer will eventually receive multiple SERA platforms, simulating their military ATC environment on site instead of "in the cloud".

The latest SERA developments provide users with diverse capabilities:

- Transitioning to an IFR flight plan in the middle of a VFR flight
- Implementing vectoring to/from practice areas and adding practice area traffic
- Creating traffic pattern/circuit models
- Descending aircraft via STARS
- Adding and configuring repeatable runway incursion incidents in the scenario
- Performing military high key/low key style approaches and touch-and-go landings
- Configuring custom settings for military traffic



*This particular enterprise license is different from the kind we're talking about in the article.*

## Our LVC Solutions can Really Tie Your Training Together

ASTi has nearly three decades of experience meeting Live, Virtual, and Constructive (LVC) training requirements. Our products feature built-in LVC capabilities, making them easy to deploy, configure, manage, and support. ASTi products include the following features:

- Unified Comms workstations with integrated live and simulated radios, Voice over IP (VoIP), phone, intercom, conferencing, broadcasting, and more
- Radio over IP (RoIP), cross-banding, and radio retransmission
- VoIP and Session Initiation Protocol (SIP) support
- Intercom, conferencing, and dial-up
- Radio bridging and remote control (e.g., 721S, PRC-117F/G, URC-200, SINCGARS)
- ED-137 digital connection and control support (i.e., Air Traffic Management VoIP)
- Analog telephone service and Foreign Exchange Office (FXO) gateway support
- E&M signaling interfaces
- Compact wide area network and local area network connection devices
- Redundancy
- Comms capture, archival, and replay

**Contact ASTi to integrate live communications into virtual training systems and applications.**

For more information about LVC, see [www.asti-usa.com/unified](http://www.asti-usa.com/unified).

## Rapport Chapeau Rouge (Support for Red Hat ver. 6 & 7)

Training systems with strict RMF and Authority to Operate (ATO) requirements must comply with the latest Defense Information Systems Agency (DISA) OS upgrades. Additionally, new training applications seek the latest OSs to reduce future upgrade costs.

***Either way, ASTi has you covered.***

Red Hat Enterprise License (RHEL) 6 currently ships on Telestra, Voisus, and Unified Comms systems, and RHEL 7 support is just around the corner. Need an older software and OS version for your existing training system?

We provide that too.

Contact ASTi to learn more about our RHEL 6 and 7 support.



*A reasonable approximation of the Dude's rug in the film "The Big Lebowski". It really tied the room together.*

## Level Up (or down, as the case may be) with ASTi's AGC

The quiet talker, the mic swallower, bad headsets, mis-configured audio settings—all play havoc with exercise communications and training. Fortunately, Voisus's network automatic gain control (AGC) feature automatically levels the volume of incoming radio transmissions. As a result, your communications levels are significantly more balanced and clear. In the Voisus web interface, turn AGC on or off, or fine-tune its parameters.

To learn more about network AGC and other Voisus capabilities, contact ASTi or see:

[www.asti-usa.com/voisus](http://www.asti-usa.com/voisus).

## Custom Voibus Solutions for Your Application

Voibus can adapt to almost any requirement. Off-the-shelf solutions include generic or realistic communication equipment and radio user interfaces. Hardware configurations vary from simple channel-selection devices to high-fidelity radio and comm panels, including PRC-117, PRC-152, and Full Function Crew Station (FFCS). For custom projects, ASTi develops unique interfaces for workstations, simulated communications, radio equipment, and hardware panels. Alternatively, build your own with our public API.

In 2017, ASTi developed a variety of features for customers:

- Instructor stations
- Shipboard comm panels
- Simulated PRC-152 and commercial handheld radio hardware
- UAV ground station comm panels
- Vehicle FFCS panels
- VoIP phones



With our intuitive, web-based configuration tools, mix and match operator and student configurations of any type. Contact ASTi to learn how Voibus can adapt to your training requirements.

## ASTi Comms Logger: Completely Safe for Trees

ASTi's Comms Logger capitalizes on our long-time experience with audio, communications, and network technologies. The Comms Logger is a comprehensive voice capture and replay tool that covers live and virtual communications. It records simulated radio traffic, RoIP, intercom, calling and conferencing, VoIP, and public telephone communications. Key features include the following:

- Time stamps and annotations
- Web-based configuration, monitoring, and management
- Audio search and playback
- Audio filter and inspection
- Open standard data formats
- Public application programming interface (API) for after-action review
- Over 1,500 voice channels
- Starting capacity of 28,000 channel hours
- Built-in redundancy, including RAID support



*This maniac is not safe for trees. Plus, he's mad at you for not having ordered the Comms Logger yet.*

## You Get a Voibus Client & You Get a Voibus Client & You Get a Voibus Client! (Oprah Loves our Comms\*)

We make Voibus software clients for a number of different operating systems and OS versions:

- Red Hat Enterprise Linux (RHEL) 5, 6, and 7
- SUSE Linux Enterprise Server (SLES) 11 and 12
- Windows XP, Vista, 7, 8, and 10

*"The Voibus clients from ASTi sure are bitchin', my dudes."*

Ambuj S., ASTi Sound Guru

For custom OS support, contact ASTi to see how we can fulfill your program's needs.

*\* The Oprah endorsement is 100% fictional. If there are legal implications, call ASTi and ask for Gary. That was his idea.*

The Comms Logger is currently fielded at multiple sites and military ranges for critical communications recording, archival, and retrieval. This product is ideal for test and evaluation ranges, live training and experimentation, training operations of all sizes, or any program performing LVC training. To learn more about the Comms Logger's capabilities, contact ASTi or see [www.asti-usa.com/unified/logger](http://www.asti-usa.com/unified/logger).

## Get Amped and Stay Current

We know it's a challenge to update and protect your training systems. The government expects systems to operate and evolve for decades, all while conforming to strict IA standards. As a result, sustainment is demanding and costly. Lucky for you, ASTi's Software and IA Maintenance increases your system's life expectancy while reducing total cost of ownership. Let us bear the burden of system sustainment.



### IA Maintenance:

- Compliance with Department of Defense cybersecurity requirements, including RMF, ATO, Host-Based Security System (HBSS), etc.
- OS patches and updates
- Elimination of DISA high and medium-severity vulnerability codes and most lower-severity items
- Security Content Automation Protocol (SCAP) and Security Technical Implementation Guide (STIG) compliance reports
- IA technical support

### Software Maintenance:

- No software upgrade or OS migration costs
- Latest product features, fidelity, improvements, and fixes
- Priority feature and capability request support
- LVC standards and interoperability compliance
- Support for latest ASTi, contractor and government-furnished equipment, and virtualization configurations

To learn more about software and IA maintenance, see: [www.asti-usa.com/ia](http://www.asti-usa.com/ia).

## Bring Speech Recognition to Your Training Application

ASTi provides top-notch speech recognition and synthetic speech for training applications. Most of our products already include this feature, so it's painless to integrate with your existing setup. SERA's fully automated and interactive air traffic control (ATC) environment trains pilots in FAA-certified communications. Telestra and Voisus also include many speech recognition and synthetic speech advantages:

- Simulate real-world equipment (e.g., cockpit management systems)
- Reduce instructor and role-player workloads
- Ease training system management
- Automate training tasks or build self-directed applications
- Create intelligent entities that respond to users
- Add background radio comms

Example applications include joint terminal attack controller/call for fire, unmanned aerial system (UAS), manned-unmanned teaming, ATC, air refueling, close-air support, and phraseology training.

### Interested?

*Contact us to find out how speech recognition can benefit your application.*

