

## Talk Group flexibility with SunGard SDS Messenger and Sepura TETRA Radios

### Introduction

SunGard Public Sector has developed an indispensable tool to enable the remote configuration of Talk Group membership. This unique solution is designed to allow remote, speedy and effective control of Talk Groups on Sepura TETRA Radios.

The ability to change Talk Groups remotely is invaluable when resources need to switch to a Talk Group that they cannot easily access, such as when using covert terminals or when they do not know the folder and location.

The solution provides the following benefits:

- It can save lives in an emergency situation
- It can reduce response times within an operation
- It removes administration overhead throughout the user base. The incident controller no longer needs to ask the TETRA radio users to manually switch Talk Groups.
- It provides an automatic confirmation of switching. The incident controller is informed instantly of who has actually moved Talk Groups successfully.
- It avoids Talk Group "surfing". By clever use of a built-in facility, Talk Groups can be hidden from the user.

### Specification

The SunGard SDS Messenger runs on a Microsoft Windows-based PC and it operates in conjunction with Sepura's Version 8 (or newer) software.

There are two modes of connectivity:

- Via the Short Data Router of the TETRA system or
- Via the PEI port on a Sepura TETRA radio.

The basic concept of operation is described in the scenario below:

1. Users (Covert or other) are operating on specific Talk Groups (**see Figure 1**).
2. An incident escalates and extra resources are needed to assist.
3. The incident controller sends a message effecting remote change of the Talk Group of the specified radios.
4. No radio user intervention is needed at the radio device.
5. One command delivered from the SunGard SDS Messenger can switch up to 300 radio devices to a new Talk Group at the push of a button.
6. The relevant radios move to the specified Talk Group, a confirmation message is received and an audit log created (**see Figure 2**).

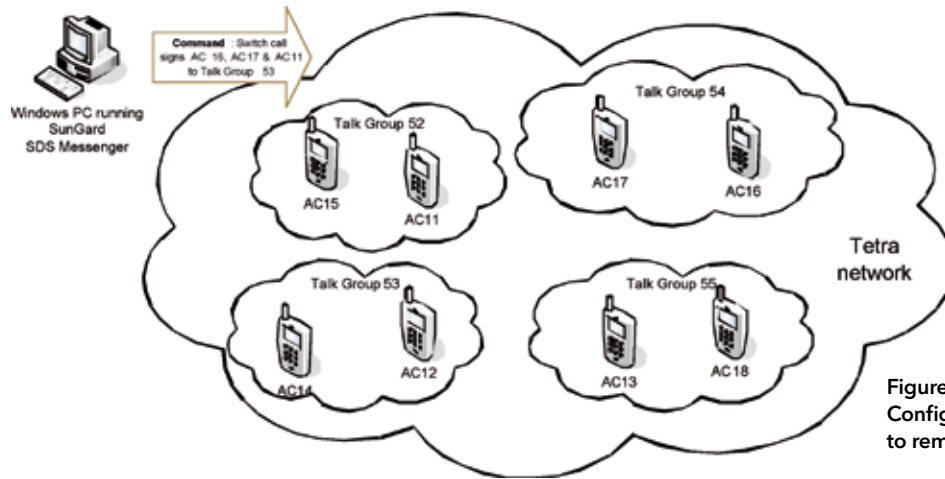


Figure 1 - Configuration prior to remote switching

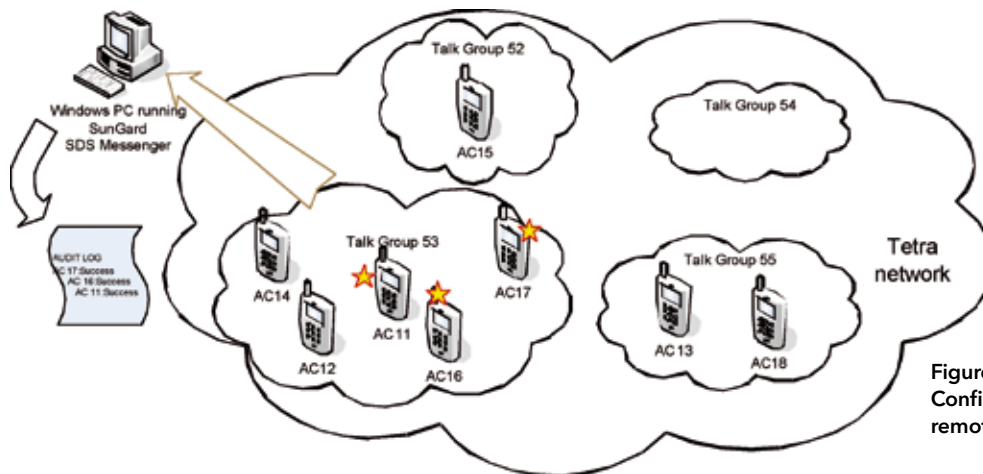


Figure 2 - Configuration after remote switching

## Implementation

The SunGard SDS Messenger is currently deployed and used extensively in a covert environment serving mission-critical operations in the United Kingdom.

This tool is not only invaluable in the Emergency Services arena, but is also extremely cost effective in other markets. For example, the ability to allow remote scheduling to be implemented in Airport flight maintenance scenarios.

The SunGard SDS Messenger has been designed and developed using industry best practices and can be tailored to accommodate specific market requirements.

For more information contact:  
info.ukolutions@sungardps.com

**www.sungardps.co.uk**