BITTIUM TACTICAL CONFIGURATION TOOL™

Intuitive Planning and Management of Configurations for Tactical Communications

Bittium
DEFENCE & SECURITY

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Bittium Tactical Configuration Tool™ (TCT) provides an easy and intuitive way to plan tactical communications between troops with Bittium's tactical devices.

In a few steps, define communication channels based on your user organization and its roles , assign created channel sets to radio presets and manage frequencies for the selected waveform. This configuration is then exported and ready for distribution to the tactical devices.

TCT supports configuration of Bittium TAC WIN Waveform™, Bittium Narrowband Waveform™, and ESSOR High Data Rate Waveform for Bittium TAC WIN and Bittium Tough SDR network nodes.

Configurations are exported from the Tactical Configuration Tool and can be distributed to the tactical devices with Bittium Tactical Device Management system or alternatively with an offline file via WebUI.

Benefits

Intuitive organization- and role-based planning

Assignment of both data and audio channels in one visual view

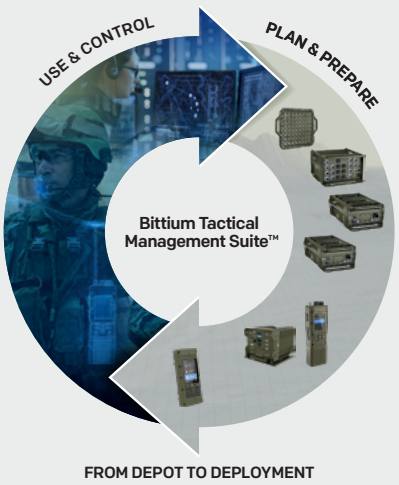
Automatic and continuous plan validation

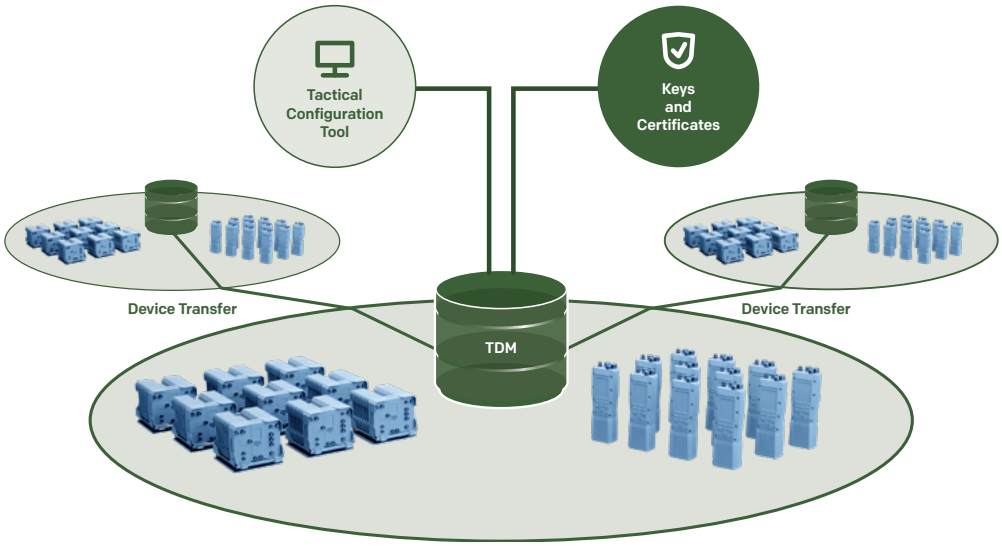
Assignment of channel sets to radio presets for efficient use in the field

Effective management of available frequencies

Easy creation of multiple frequency plans for one configuration

Ready-to-distribute configurations

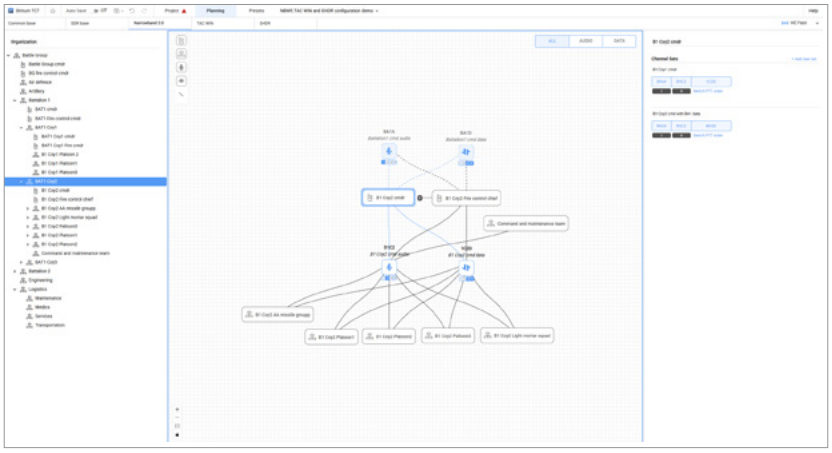




For more information, please contact:
defence@bittium.com

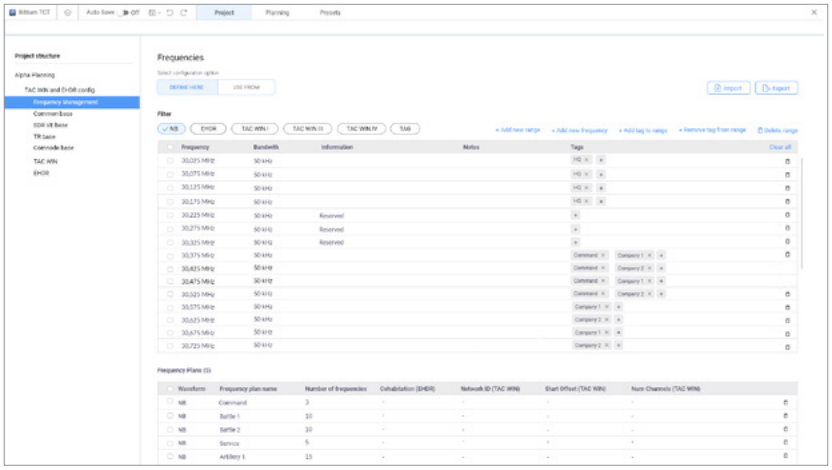
Plan Communication Channels

- Plan communication channels for your organization and roles
- Create both data and audio channels
- Define channel sets



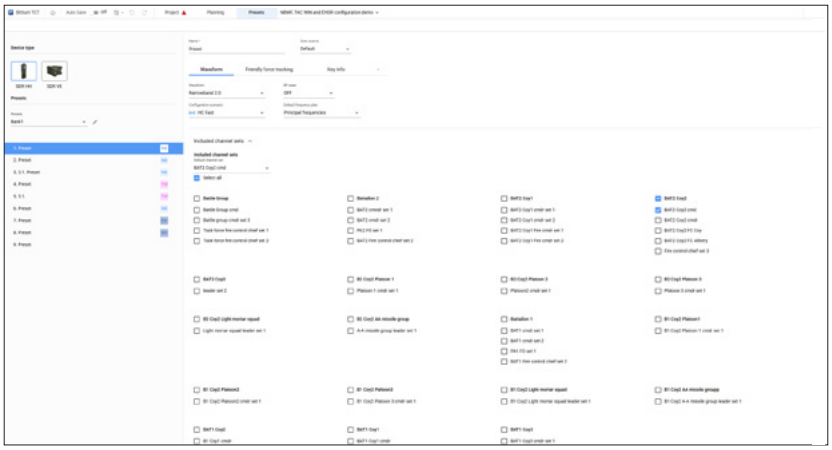
Manage Frequencies

- Define frequencies and bandwidths to be used
- Tag frequencies for specific purposes
- Define multiple frequency plans for one configuration based on tags
- Option to import/export list of available frequencies (.csv)



Manage Radio Presets

- Assign channel sets to radio presets
- Name presets
- Enable radio user to select channel sets for the presets



Main features

- Easy and intuitive creation of configurations for tactical communications with Bittium's tactical devices
- Naming of users/organizations and visual planning of both audio and data channels between the users
- Automatic and continuous plan validation
- Channel set creation based on created channels
- Assignment of channel sets to radio presets
- Sharing of common channels over configurations
- Quick frequency planning and management
- Configuration export

Usability

- Intuitive and easy-to-understand user interface
- Modern features, including undo/redo, copy/paste, automatic saves
- Project creation wizard to guide the process
- Saved projects can be reused as basis for new configurations or shared for further modifications by other users

Supported devices*

- Bittium Tough SDR Handheld™
- Bittium Tough SDR Vehicular™
- Bittium Tactical Wireless IP Network™ (TAC WIN)

Supported waveforms*

- Bittium TAC WIN Waveform™
- Bittium Narrowband Waveform™
- ESSOR High Data Rate Waveform

Installation

- Debian Linux
- Microsoft Windows

Distribution to devices

- Bittium Tactical Device Management™
- Offline file via WebUI

Planning view

- Data and audio channels
- Time slots
- Channel allocation for nodes
- Mode profile

Project view

- Frequency management
- Base parameters for each device and waveform and across waveformsy

Preset view

- Sync source: AIS/GNSS/NTP/none
- Waveform
  - RF state: on/off/RX only
  - Configuration scenario
- Included channel sets
- Preset-specific configuration override

*Support for other tactical devices and waveforms on the roadmap

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