P8GR

User Guide

PS11503AENAE01
11/2020

AIRBUS

CE DECLARATION OF CONFORMITY
We, Airbus Defence and Space Oy, declare under our sole responsibility that the product P8GR is in conformity with the Directive 2011/65/EC (ROHS) and the following essential requirements of the Directive 2014/53/EU (RED): Article 3.1a, 3.1b and 3.2.

Copies of the Declaration of Conformity can be found at https://cinfodin-airbusds.com

The crossed-out wheeled bin means that within the European Union the product must be taken to separate collection at the product end-of-life. This applies to your device but also to any enhancements marked with this symbol. Do not dispose of these products as unsorted municipal waste. Please deliver this product after operational life to your distributor or sales representative for recycling.

The availability of particular products may vary by region. Please check with the Airbus Defence and Space reseller nearest to you.

The use and operation of this device is subject to permission: for details contact your local frequency authority.

PS11503AENAE01   P8GR - User Guide

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A pocket-size quick guide has been delivered with your pager to help you get started. If necessary, you can download it at https://cinfodin-airbusds.com or order it through your Airbus Defence and Space representative.

Contents

PS11503AENAE01   P8GR - User Guide

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FOR YOUR SAFETY

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.

SWITCH ON SAFELY
Do not switch the device on when wireless device use is prohibited or when it may cause interference or danger.

ROAD SAFETY COMES FIRST
Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.

INTERFERENCE
All wireless devices may be susceptible to interference, which could affect performance.

SWITCH OFF IN HOSPITALS
Follow any restrictions. Switch the pager off near medical equipment.

USE IN AIRCRAFT OR AT AIRPORT MAY BE PROHIBITED
Follow any restrictions. Wireless devices can cause interference in aircraft. Airport professionals using wireless devices should follow the special guidance and instructions issued by their own organisation.

SWITCH OFF WHEN REFUELLING
Don't use the pager at a refuelling point. Don't use near fuel or chemicals.

SWITCH OFF NEAR BLASTING
Follow any restrictions. Don't use the pager where blasting is in progress.

USE SENSIBLY
Use only in the normal position as explained in the product documentation. Don't touch the antenna area unnecessarily.

QUALIFIED SERVICE
Only qualified personnel may install or repair this product.

ENHANCEMENTS AND BATTERIES
Use only approved enhancements and batteries. Do not connect incompatible products.

Unplug the charger from the mains plug and the radio when not in use. Do not leave the battery connected to a charger for prolonged periods.

Never use any charger or battery that is damaged, bloated, or is found getting uncomfortably hot during the use or charging.

BACK-UP COPIES
Remember to make back-up copies or keep a written record of all important information.

CONNECTING TO OTHER DEVICES
When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.

■ ABOUT YOUR PAGER

The pager described in this guide is approved for use on the TETRA network. Contact your service provider for more information about networks.

When using the features in this pager, obey all laws and respect privacy and legitimate rights of others.

Warning: To use any features in this pager, other than the alarm clock, the pager must be switched on. Do not switch the pager on when wireless device use may cause interference or danger.

Your pager and its enhancements may contain small parts. Keep them out of reach of small children.

■ Network Services

To use the pager you must have service from a wireless service provider. Many of the features in this pager depend on features in the wireless network and device configuration to function. These Network Services may not be

PS11503AENAE01

P8GR - User Guide

8/56   This document is the property of Airbus DS SLC and should not be copied or circulated without permission.

available on all networks or you may have to make specific arrangements with your service provider before you can utilize Network Services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use Network Services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have requested that certain features be disabled or not activated in your pager. Contact your service provider for more information.

■ Enhancements, batteries, and chargers

Always switch the pager off and disconnect the charger before removing the battery.

Check the model number of any charger before use with this pager.

Warning: Use only batteries, chargers, and enhancements approved by Airbus DS SLC for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous.

For availability of approved enhancements, please check with your dealer. When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

Important: Enhancements to be used with this pager do not meet the same durability or water resistance specifications as the pager itself. For example, all the chargers are only to be used in dry conditions. They should never be used when damp or wet.

General information

■ Carrying

You can carry your pager without any aid in your pocket or handbag, or with a wrist strap, a belt clip (vertical or horizontal carrying) or a belt carrying case.

■ Access codes

If the device code request is enabled in your pager, the code is requested each time the pager is switched on. The factory setting for the four-digit device code is 1234.

To prevent unauthorised use of your pager, change the codes. Keep the new codes secret and in a safe place separate from your pager.

■ Modes of operation

Your pager has two modes of operation: network mode and direct mode. In the network mode, the pager operates using the TETRA network. In the direct mode, the pager operates without the network, so that the devices communicate directly with each other. In the direct mode, only some functions of the pager are available.

■ Transmission barring

When transmission barring is active, the pager does not send any signals to the network, and only limited network services are available. In the network mode, the pager can only receive messages and statuses addressed to talk groups, providing that the pager is registered to the network. In the direct mode, the pager can receive messages and statuses. When transmission barring is active, the pager cannot re-register to the network, for example, if it is switched off and then on again.

The limited network services in the network mode are only available in the coverage area of the network cell where the pager was last registered. The pager cannot register to other network cells while transmission barring is active, and therefore the area of operation may be limited.

To activate or deactivate transmission barring, select **Menu**→ *Settings*→*Device settings*→*TX barring*→*On* or *Off*. Transmission barring should be active before you enter the area where you want transmission to be barred. ⬥ or ⬥ is displayed in the idle mode when transmission barring is active. Depending on predefined pager settings, the pager may send a notification message to the network about the activation. ⬥ is displayed if the message does not need to be sent or message sending failed, and ⬥ is displayed if the message has been sent.

■ Network selection

In addition to your predefined home network, you may be able to select other networks in which your pager can operate (network service), for example, if you are not in the coverage area of your home network. The network can be changed automatically or manually. Select **Menu**→*Settings*→*Device settings*→*Network*→*Automatic* or *Manual*.

Some services are network dependent, so the availability of services may change when the network is changed. In addition, the availability of groups may change when the network is changed.

■ Using your pager in wet and damp conditions

• You can use this pager in the rain, but do not submerge it in water

• If the pager or its connectors have been exposed to salt water, you must carefully wipe them dry

• Before opening the back cover, dry the pager to prevent water from reaching the interior of the pager. The battery is not water resistant

• Never charge the pager when its connectors are wet or damp

• Never use a damp pager with enhancements that have an electrical function (such as a home station)

Note: Make sure the interior of your pager and the back cover seals are dry, clean, and free of any foreign objects. Foreign objects may damage the seals against water.

■ Remote SDS control

When the remote short data service (SDS) control is activated in your pager, your pager can be controlled over the air with an SDS message. Your organisation defines the features that can be controlled remotely. The pager may ask you a confirmation before the remote control command is activated.

PS11503AENAE01   P8GR - User Guide

12/56   This document is the property of Airbus DS SLC and should not be copied or circulated without permission.

1. Getting started

■ Install the battery

Always switch the pager off and disconnect the charger before removing the battery.

1. To remove the battery, press the release button (1), lift it upwards (2), and take the battery out.
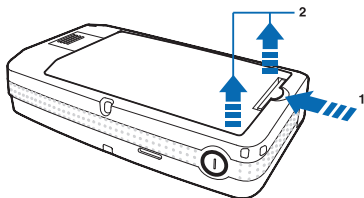
2. To insert the battery, slide the upper locking hooks of the battery into the locking slots of the pager body (1). Press the bottom part of the battery into its position, until it clicks (2).
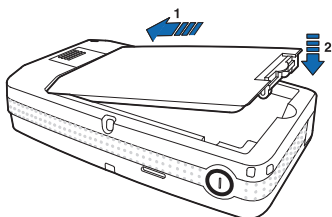
■ Insert the smart card

Always switch the pager off and disconnect the charger before inserting the smart card.

1. Remove the battery (see Install the battery on page 13).

2. Open the cover of the smart card slot.

P8GR - User Guide

PS11503AENAE01

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13/56

3. Slide the smart card holder to the Unlock direction.
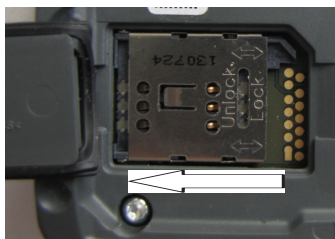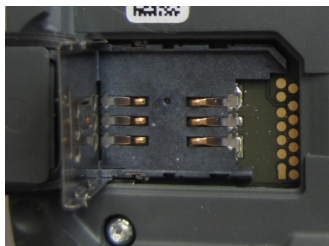
4. Open the holder.

5. Insert the smart card, close the holder and slide it to the Lock direction.
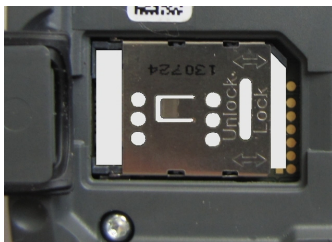
6. Close the cover of the smart card slot.
7. Insert the battery.

■ Charge the battery

1. Connect the USB cable to
   the USB charger.

2. Open the protective cover
   of the USB connector on
   the side of your pager, and
   connect the USB cable to
   the connector.

3. Connect the charger to an
   AC wall outlet.

   The battery indicator bar
   starts to scroll. *Charging* is
   briefly displayed if the pager is switched on. You can use the pager while
   charging.

   If the battery is completely empty, it may take a few minutes before the
   charging indication appears on the display or any selections can be made.

4. The battery is fully charged when the battery indicator bar stops scrolling,
   and *Battery full* is briefly displayed if the pager is switched on.

If *Not charging* is displayed, charging has been suspended. Wait for a while,
disconnect the charger, plug it in again, and retry. If charging still fails,
contact your dealer.

Use only Airbus DS SLC approved batteries, and recharge your battery only
with Airbus DS SLC approved chargers designated for this pager.

■ Switch the pager on and off

1. Press and hold the power button ⓘ to switch the pager on and off.

2. If the pager asks for a device code, enter the four-digit device code (displayed as ****) by selecting each number with the down or up scroll key and with **Select** key, and by accepting the code with **OK**.

3. If the pager asks for a PIN code, enter the PIN code by selecting each number with the down or up scroll key and with **Select** key, and by accepting the code with **OK**. When a smart card is used, the pager might ask for a PIN code.

For more information, see Access codes on page 10.

Your pager has an internal antenna. The antenna is located On the left side of the pager.

✎ **Note:** As with any other radio transmitting device, do not touch the antenna area unnecessarily when the pager is switched on. Contact with the antenna affects service quality and may cause the pager to operate at a higher power level than otherwise needed. Avoiding contact with the antenna while operating the pager optimises the antenna performance and the battery life.

■ Lock the keys (Keyguard)

You can lock and unlock the keys of the pager in the idle screen by pressing the middle selection key ⊙ and after that the power key ⊙.

> **Note:** If the keys are locked, you cannot switch off the pager by pressing and holding the power key ⊙. You must first unlock the pager.

You can set the automatic keyguard on or off via **Menu**→ *Settings*→*Device settings* →*Automatic keyg.*→*On*/*Off*. When you have set the keygard on, you also need to define the delay for the automatic activation of the keyguard. If the automatic keyguard is activated with **Menu**, the pager switches to the idle screen when locking the keys.

The on/off setting of the automatic keyguard may also be available in the **Go to** menu. See Go to menu on page 28.

When the automatic keyguard is active, the keyguard indicator ▯┓ is shown in the upper status bar, no keypad tones are given and you cannot press any key. Warning tones and alarm tones are normally given when the keys are locked.

> **Note:** When a callout alert message is received, the keyguard is deactivated automatically, if it is active. After the callout mode has ended and you have closed the callout message, the keyguard is activated again.

See also Device settings on page 44.

2.   Your P8GR

Keys:

- You can find the power key ⓘ on the top of the pager. Pressing and holding the power key switches the power on and off. Pressing the power key quickly in the idle screen opens the power menu. See Power menu with the power key on page 29.

- The function of the middle selection key ◎ and the upper and the lower selection keys ▭ depends on the guiding text shown on the display. See also Key functions on page 20.

- The scroll keys △ and ▽ are used to scroll through lists and text lines in the menus. In the idle screen the keys can have different functions that can be predefined with Taqto programming tool. See also Scroll key shortcuts on page 20.

PS11503AENAE01

18/56   This document is the property of Airbus DS SLC and should not be copied or circulated without permission.

P8GR - User Guide

Display:

- Upper status bar (volume level indicator, role indicator, clock)

- Selected availability status (the 1st line): e.g. **On duty**

- Network information or audio profile if other than **General** (the 2nd line):
  e.g. **No service**, **Direct mode**, **Silent**

- Selected user role or date (the 3rd line): e.g. **Fire fighter**

- Lower status bar: signal and battery indicators

- Selection key labels: e.g. **Go to, Status** and **Menu**

■ Idle screen

When you have switched on the pager and it is ready for use and you have
not pressed any key, the idle screen is shown.

You can also go to the idle screen by pressing **Exit** or pressing and holding
Back when browsing in an option of the **Menu**.

Indicators

The following indicators appear in the idle screen:

ᲢᲢ	Signal indicator in the lower status bar in the network mode, shows the signal strength of the cellular network at your current location. The longer the bar, the stronger the signal.
ᲢᲢ	Signal indicator in the lower status bar, indicates that the pager is out of service.
ᚷ	Signal indicator in the lower status bar, indicates that the pager is in direct mode.
ᚗ	Battery indicator in the lower status bar, shows the battery charge level. The longer the bar, the more power in the battery.

Key functions

In the idle screen:

- The middle selection key is **Menu** that allows you to access the menu

- The upper selection key is **Status** that gives a list of availability statuses. You can send/change your status by selecting one of the options in the list and pressing **Send**

- The lower selection key is **Go to** that allows you to easily and quickly access a personal set of menu items. Your pager has a default **Go to** menu, but you can define and organise yourself the options of the menu. To edit the content of this menu, see Go to menu on page 28

Scroll key shortcuts

The default function for the scroll keys in the idle screen is the volume control. When you press the up or down scroll key, the volume display opens and adjusts the volume one level up (when pressing the up scroll key) or down (when pressing the down scroll key). Note that you cannot adjust the volume when the Silent profile is active.

Note that the above mentioned functions are default values for scroll keys and . Your organisation can predefine also different functions for these keys.

■ Light indicator

There is a light indicator on top of the pager. It allows to indicate different kinds of events, for example, configuring, receiving messages, charging and failing an operation.

Your organisation can predefine different functions for the light indicator.

■ Accessory connectors

Your pager has two accessory connectors, one on the side and another at the bottom of the pager.

The side USB connector is used to connect the data cable and the charger. Note that the side connector has a protective cover. To use the connector, open the cover first. See also Charge the battery on page 15.

The bottom connector is used for home station usage. See Home station on page 21 and Home station on page 43.

■ Home station

The home station is an accessory for the pager that:

• Allows to charge the pager

• Provides a connection to the external antenna

• Provides a USB output

• Provides a relay output

It is possible to use the pager when it is inserted to the home station.

The actions depend on the configuration of your pager. An arriving alarm message may activate the USB power output and/or the relay output. The USB power output can also be activated by pressing the On/Off button in the home station.

When inserting your P8GR to the home station, make sure that the antenna is inserted to the home station.

For information on the home station profile settings, see Home station on page 43 and Home station safety regulations on page 56.

Inserting the pager to/detaching the pager from the home station

1. Put the pager to the home station by pressing the pager gently down. You can hear two clicks given by the locking mechanism.

2. To remove the pager from the home station, take a firm grip on the pager and push down the release button to release the locking. Then lift up the pager from the home station.

■ Vibration alert

There is a vibration alert in your pager. It may alert you even if your pager is in the silent mode. You can set the vibration alert separately for each profile, and it automatically follows the selected profile.

To set the vibration alert, select **Menu**→*Audio Profiles*, scroll to the selected profile and select **Modify**→*Vibra option*→*On*/*Off*.

Your organisation may override a user setting, if the pager receives a certain type of alarm.

Note: When the pager is connected to the home station, the vibration is set off automatically. If you set the vibration alert on in the active profile when the terminal is connected to the home station, the setting will not take effect until the pager is disconnected from the home station.

See also Go to menu on page 28.

■ Display indicators

Display indicators inform you about the operation of your pager:

	Volume level indicator: mute, level of the volume shown in black.
21	User role 1, 2, 3 or 4. Indicates the current user role if several roles are used.
09:00	Time hh:mm. See Time and date settings on page 46.
	The alarm clock is set. See Alarm clock on page 47.
0┓	The keypad is locked. See Lock the keys (Keyguard) on page 17.
	You have received one or more text messages. See Text messaging on page 39.
	You have received one or more status or situation messages. See Status messaging on page 36.
	You have received one or more callout messages. See Callout messaging on page 30.

You have received a callout alert. See Callout messaging on page 30.

Indicates that the uplink is not available, that is sending from the pager to the network may fail.

Indicates the state of End-to-End Encryption (E2EE) (on/off).

Indicates TMO monitoring while in direct mode DMO. When the icon is blinking, the device checks, if the TMO is available; when the icon is stable, the TMO is available.

Indicates that the air interface encryption (network service) is not in use.

Indicates if the transmission barring is on/off, and if the state of the terminal has been successfully informed to the network.

■ Notifications

The following are explanations for some of the notifications that may appear on the display:

- *Group property changed* — The availability or property of some talk group has changed. To view the details of the talk groups, see Service menu on page 48.

- *Network not allowed:* — The pager cannot register to the selected network. If the network was selected manually, you can attempt to select another network or activate automatic network selection. See Network selection on page 11.

- *Network changed:* — Automatic network selection is on, and the pager has selected a new network. To exit the message, press **OK**. See Network selection on page 11.

- *DMO mode remotely assigned* — The remote control has changed the operation mode to Direct mode.

- *TMO mode remotely assigned* — The remote control has changed the operation mode to Trunked mode.

- *User acknowledgement buffered* — Sending your acknowledgement to a callout alert has not been successful for some reason, and the acknowledgement is buffered. An attempt to send it continues.

- *Status buffering* — Sending your availability status has not been successful for some reason, and the status is buffered. An attempt to send it continues.

- *Change audio profile first* — You try to change the volume level but the Silent audio profile is in use. Change your audio profile if you want to adjust the volume.

3. Using your pager

■ Access a menu function

1. Press **Menu**, and use the scroll keys ⬆ and ⬇ to scroll through the menu. Select the desired menu, for example, *Settings* by pressing **Select**.

2. If the menu contains submenus, select the one that you want.

3. To return to the previous menu level, press **Back**. To exit the menu, press **Exit**, or when browsing in an option of the **Menu** press and hold **Back**.

■ Menu list

1. Callout
1. Callout messages
2. Protected msgs
3. Delete messages

2. Status msgs
1. Send status
   1. Availability
   2. Situation
2. Received
3. Sent
4. Delete messages

3. Text msgs
1. Inbox
2. Protected msgs
3. Delete messages

4. Audio profiles
1. General
2. Silent
3. Meeting
4. Home station

5. Home station
1. Default profile
   1. Current profile
   2. General
   3. Silent
   4. Meeting
   5. Home station
2. Screen saver
   1. Screen saver state
   2. Display information
   3. Time-out

6. Settings
1. Volume

2. Device settings
   1. Device language
   2. Network
   3. Active mode
   4. TX barring
   5. Automatic keyguard
   6. Font size
   7. Brightness
3. Security codes
   1. Device code
   2. Change device code
   3. Change security code
4. Smart card settings
   1. Smart card encryption
   2. DMO encryption mode
   3. SDS encryption
   4. SDS encryption key
   5. Manual key negotiation
5. Screen saver
   1. Screen saver state
   2. Display information
   3. Time-out
6. Time and date settings
   1. Show clock/Hide clock
   2. Show date/Hide date
7. User role

7. Alarm clock

8. Service menu
1. Manufacturer
2. Subscriber
3. Network
   1. Network data
   2. Direct mode data
   3. Group data
4. Diagnostic data

◼ Go to menu

The **Go to** menu allows you to easily and quickly access your personal set of menu options. You can define and organise the options of the **Go to** menu. All the menu options of your pager can be shown in the **Go to** menu.

To access the **Go to** menu, press the lower soft key ⬚ in the idle screen.

The default options of the **Go to** menu are the following:

- *Silent*
- *General*
- *Active mode*
- *Callout msg*
- *Inbox*
- *Volume*

Edit Go to menu

The list of options of the **Go to** menu includes all menu options of your pager.

To edit the **Go to** menu, select **Go to**→**Options** and one of the following:

- *Select options* shows the list of available options:

  - To add an option, select the option that you want to add to the shortcut list with the up or down scroll key, and press **Mark**→**Done**→**Yes**.

    Note that you can mark several options with **Mark**, and then save the changes.

  - To remove an option, select the option that you want to remove from the shortcut list with the up or down scroll key and press **Unmark**→ **Done**→**Yes**.

    Note that you can unmark several options with **Unmark**, and then save the changes.

- *Organise* allows to rearrange the options in the list:

  - Press **Move**, select the direction/position where to move the option and press **Select**→**Done**→**Yes**.

Note: If you change *Keytone vol*, *Light indicator*, *Mgs alert tone* and *Vibra* in the **Go to** menu, the values of these settings are changed in the active audio profile. However, *Lights* setting is a momentary setting. If you change it in the **Go to** menu, its value is not changed in the active audio profile, that is, it is valid until you change the audio profile, reactivate the current audio profile or switch off the pager.

■ Power menu with the power key

The power menu allows you to quickly access some frequently used functions.You can open the power menu by pressing quickly the power key in the idle screen. The menu contains the following options:

- *Lock keys*

  To unlock the keys, press **Unlock** with the middle selection key and after that press quickly the power key .

- *Switch off!*

- *General*

- *Silent*

- *Meeting*

- *Home station*

4. Callout messaging

Callout is a feature where pager users are alerted about an incident that they need to respond to. The callout initiator sends a callout alert to pager users in the field. The alert informs and holds the attention of the users as well as gives the callout initiator an indication about the available resources for the incident.

■ Icons

Callout messaging icons

You can find the following callout message icons in your pager:

In the upper status bar:

• Unread callout message ⌧🔲.

In the message lists:

• Unread callout message ⌧🔟

• Read callout message ◎🔟

• Sent callout acknowledgement ⊟🔟

• Pending callout message acknowledgement ⊞🔟

• Failed callout message acknowledgement 🔟ₓ

■ Receiving a callout alert

Your pager can receive both group addressed and individually addressed callout alerts. Callout alert indicator 🔲 is shown in the upper status bar in the callout mode.

Note: If the keys are locked when you receive a callout alert, the keyguard is deactivated automatically. After the callout mode has ended and you have closed the callout message, the keyguard is activated again.

Audiovisual indications and alert tones

When your pager receives a callout alert, an alert tone or a vibration alert, the light indicator and the display backlight defined by your organisation can be activated. You can stop the alert tone by acknowledging the message or by pressing any key.

Callout mode

When your pager receives a callout alert, it moves to the callout mode, and all local services like menu and applications are cleared and blocked.

Callout message

The display of your pager shows the callout message text including the callout information (e.g. the severity level, callout text, sender and time information) defined by your organisation.

When a callout message has been received, the time passed since the alert is shown on the display until you acknowledge the message, the acknowledgement timer expires or the operator cancels the callout alert.

> **Note:** If you receive a new callout alert before you have acknowledged or closed the currently active callout message, the new message replaces the previous message on the display, and the previous message is saved as an unread message to *Callout messages* folder.

Reading a callout message

A callout message can include several pages.You can scroll the message page by page with the down ▽ and up △ scroll keys. When reading the message you can also change the font size of the message by selecting another font size in **Options** under the lower soft key ⬜.

> **Note:** If there are unread callout messages in the *Callout messages* folder when the pager switches or returns to the idle screen (e.g. after powering on or after you have acknowledged the latest callout message), the pager starts alerting.

■ Acknowledging a callout message

Note: You can acknowledge a callout message several times.

Acknowledging a callout message directly on the display

If the callout message requires your acknowledgement, you can see the **Accept** and **Reject** options on the display. You can also find some other acknowledgement options under **Options**.

After you have acknowledged the callout alert, the audio alert is switched off, and *User acknowledgement sending* is shown. If sending is successful, *User acknowledgement sent* is shown. The callout message is shown until you close the message by pressing **Close**.

After you have acknowledged a callout message, the message and the acknowledgement are saved to the *Callout messages* folder. The read callout message is shown in the folder with the icon .

Acknowledging a callout message in the Callout messages folder

It is also possible to acknowledge a callout message afterwards in the *Callout messages* folder during the validity period of the alert, e.g. if you have pressed **Close** when reading the message or when the battery has run down before you have acknowledged the message. The icon in the idle screen in the upper status bar and on the headerline of the menu indicates that there is at least one unread callout message. The unread callout message is shown in the folder with the icon . To acknowledge the message highlight it and select, e.g. **Read**→**Options**→ **Accept**/**Reject**/ **Standby**.

Callout acknowledgement sending not successful

If sending a callout acknowledgement does not succeed, sending continues as a background process, and *User acknowledgement buffered* is shown. The callout mode ends, and the callout message is shown on the display until you press **Close**. The acknowledged callout message is saved as a read message, and the acknowledgement is saved as a pending acknowledgement with the buffering time to the *Callout messages* folder.

If sending a buffered callout acknowledgement succeeds, the confirmation text *User acknowledgement sent* is shown. The acknowledgement is saved to the *Callout messages* folder with the sending time, and it replaces the pending message.

If sending a callout acknowledgement does not succeed directly or after re-sending, *User acknowledgement sending failed* is shown. The buffered acknowledgement is changed into a failed callout acknowledgement in the *Callout messages* folder, and the time information is not changed.

If sending a callout acknowledgement is not possible at all (e.g. when the transmission barring is active), the acknowledgement is not saved.

If the pager is switched off for some reason when it is trying to send a buffered acknowledgement, re-sending stops. When the pager is switch on, a buffered acknowledgement is changed into a failed callout acknowledgement in the *Callout messages* folder. If necessary, you need to acknowledge the callout messages again.

Callout messages not requiring an acknowledgement

If the callout message does not require your response, the upper and lower selection key options are **Exit**, **OK** and **Options** in the callout mode. The option list has only one item *Font size* for changing the font size.

If you press **OK** or **Exit** →**Yes**, the callout mode ends and the message is saved to the *Callout messages* folder as a read message. The callout message is shown on the display until you close the message with **Close**. If you press **Exit** →**No**, the callout message is shown on the display, and the callout mode continues.

■ Rejecting a callout message

Rejecting a callout message directly on the display

When you have received a callout message, you can reject it by pressing
Reject. The audio alert is switched off and *Reject callout?* is shown. If you
select **Yes**, the callout mode ends, the message disappears from the display
and the terminal goes to the idle screen. If you select **No**, the terminal returns
to the callout message and the callout mode continues.

Rejecting a callout message in the Callout messages folder

It is also possible to reject a callout message in the *Callout messages* folder
afterwards, e.g. if you have pressed **Close** when reading the message, when
the battery has run down before you have acknowledged the message. The
icon 📧 on the headerline of menu indicates that there is at least one
unread callout message. When you reject a callout message in the *Callout
messages* folder, the confirmation query is not shown.

■ Deleting callout messages

Deleting a callout message directly on the display

You can delete an open callout message that is opened from the *Callout
messages* folder by selecting **Delete**.

Deleting a callout message in the Callout messages folder

You can delete a callout message in the *Callout messages* folder by
highlighting it in the message list and by selecting **Delete**. You can also
delete an unread message 📧.

You can delete all the messages except protected messages by selecting
Delete messages in the *Callout* folder. If there are messages that you have
not read yet in the *Callout messages* folder, the confirmation query *All
messages not read. Delete anyway?* is shown.

■ Protecting callout messages

Protecting a callout message

You can protect callout messages from deletion by moving them to the *Protected msgs* folder. To move a message from the *Callout messages* folder to *Protected msgs* folder, select **Options**→ **Protect**→**Yes**.

The messages are shown in the *Protected msgs* folder in chronological order, the latest message first. The unread messages are shown before the read messages.

Deleting a protected callout message

You cannot delete messages in the *Protected msgs* folder.

To delete a protected message, you must first unprotect it by moving it to the *Callout messages* folder. Highlight the message that you want to delete, and select **Options**→**Unprotect** →**Select**→**Yes**. After that you can delete it in the *Callout messages* folder by selecting **Delete**.

5.   Status messaging

Status messaging allows you:

- to send predefined **Callout availability status messages** to indicate your availability for a callout.
- to receive **Status messages** from a predefined sender.
- to send and receive **Situation indicators** to a predefined recipient. Situation indicators are predefined messages with varying contents.

Your organisation defines the receiver and the content of your messages.

Your pager supports sending and receiving status messages also in direct mode.

■ Icons

Status messaging icons

You can find the following status message icons in the pager:

In the idle screen in the upper status bar:

- Received status message ⌐⌐

In the message lists:

- Unread status message ⌐⌐
- Read status message ⌐⌐
- Sent availability status message ⌐8
- Pending availability status message ⌐8
- Failed availability status message ⌐8

Situation messaging icons

You can find the following situation message types in the pager:

In the message list:

- Sent situation message ⊒Ṛ
- Read situation message 🔳
- Unread situation message 🔳

■ Sending status messages

Sending a status message/situation indicator

You can send your availability status or situation indicator by selecting **Menu** →*Status msgs*→*Send status*→*Availability*/*Situation*→**Send**.

You can also send your availability status quickly in the idle screen by pressing the **Status** menu with the up selection key ▭. Press **Status**, choose your availability status and press **Send**.

The sent availability status messages and situation indicators are saved with the sending time to the *Sent* folder.

Note: Only one situation indicator can be sent at a time. It is not possible to send a new situation indicator before the confirmation of successful sending of the previous indicator has been shown. If you try to send a situation indicator before the previous indicator has been handled, *Still sending previous message* is shown.

Sending a status message not successful

If sending your current availability status does not succeed, sending continues as a background process, and *Status buffering* is shown on the display. The status message is saved to the *Sent* folder.

If sending a buffered status message succeeds, the confirmation *Availability status sent* is shown, and the sent status message is saved to the *Sent* folder with the sending time. The availability status is also updated in the idle screen.

If sending a buffered status does not succeed within a certain retry count, sending stops and *Availability status change failed* is shown on the display. The message is saved as a failed message ⊒Ṛ in the *Sent* folder.

Sending a situation indicator not successful

If sending a situation indicator fails, *Message sending failed* is shown on the display, and the pager returns to the situation indicator list. Situation indicators do not have the re-sending procedure.

■ Receiving status messages/situation indicators

Your pager can receive individually and group addressed TETRA status messages and situation indicators.

When you receive a status message, you can hear an alert tone, and ⌁ is shown in the upper status bar in the idle screen. The received message with the sender's address is automatically shown.

> **Note:** If you receive status messages during the callout mode, the messages are saved to the *Received* folder. When the callout mode ends, you are informed of the messages in the idle screen.

The received status messages are saved to the *Received* folder.

If you press **Read** when you receive one status message, the message is opened directly. If you have received several status messages, *Received* folder opens when pressing **Read**. In the folder the received status messages are listed in chronological order. You can open a status message by selecting it and by pressing **Read**.

If you press **OK** when you receive a status message, the pager returns to the idle screen, and the message is saved to the *Received* folder as a read message ⌁. If you press **Exit**, your pager returns also to the idle screen, but the message is saved to the *Received* folder as an unread message ⌁ .

If there are several received unread status messages, you can see the number of the unread status messages when you close the latest status message by pressing **OK**.

■ Deleting status messages

You can delete a status message in the *Sent* and *Received* folders by highlighting the message and by selecting **Options**→ *Delete*.

You can delete all the status messages in the *Sent* and *Received* folders by selecting **Menu** →*Status msgs*→*Delete messages*→**Yes**. If there are unread status messages in the folder, the confirmation query *All messages not read. Delete anyway?* is shown.

6. Text messaging

Text messaging allows you to receive individually and group addressed text messages and flash messages, and protect messages from deletion.

■ Icons

Text messaging icons

You can find the following text message icons in the pager:

In the idle screen in the upper status bar:

• Received text or flash message

In the message lists:

• Unread text message

• Read text message

■ Receiving text messages

When you receive a new text message, you can hear an alert tone and is shown in the upper status bar in the idle screen. The indication *1 message received* is also shown.

You can open the message by pressing **Show**. If you have received several text messages and you have not read them, **Show** opens the *Inbox* folder. You can select a message in the folder and open it with **Read**.

You can find the received text messages in the *Inbox* folder. Press **Menu**→*Text msgs*→*Inbox*.

> **Note:** If you receive text messages during the callout mode, the messages are saved to the *Inbox* folder. When the callout mode ends, you are informed of the messages in the idle screen.

The messages are shown the *Inbox* folder in chronological order, the latest message first. The unread messages are shown before the read messages.

If the *Inbox* folder is full when a new text message is received, the oldest read message is deleted. If there are only unread messages, the oldest unread message is deleted.

You can move directly to the next message in the *Inbox* folder by pressing **Next**.

> **Note:** If you receive an incomplete text message, *Receiving of text message failed* is shown. Close this notification with **OK**.

■ Receiving flash messages

Your pager can also receive flash messages. A flash message is a text message that is used for quick communication.

When you receive a new flash message, you can hear an alert tone and is shown in the upper status bar in the idle screen. The beginning of the flash message is shown on the display with options **Exit** and **Read**.

If you are scrolling a menu when you receive a flash message, an indication about it is given. You must go to the idle screen to read the message or you can open the message in the *Inbox* by selecting **Menu**→*Text msgs*→*Inbox*.

Flash messages can be configured so that they are saved automatically to the *Inbox* folder, or deleted if you do not save them after reading. When you have read a flash message, you can delete it with **Delete** if it is saved automatically, and save it with **Save** if it is not saved automatically.

■ Protecting text messages

Protecting a text message

You can protect text messages from deletion by moving them to the *Protected msgs* folder. To move a message from the *Inbox* folder to *Protected msgs* folder, select **Options**→ **Protect**→**Yes**.

The messages are shown in the *Protected msgs* folder in chronological order, the latest message first. The unread messages are shown before the read messages.

Deleting a protected text message

You cannot delete text messages in the *Protected msgs* folder. To delete a protected message, you must first unprotect it by moving it to the *Inbox* folder. Highlight the message that you want to delete, and select **Options**→**Unprotect** →**Select**→**Yes**. After that you can delete it in the *Inbox* folder by selecting **Delete**.

■ Deleting text message

You can delete a text message in the *Inbox* folder by highlighting the message in the folder and by selecting **Options**→ **Delete**.

You can delete all the text messages in the *Inbox* folder by selecting **Menu** →*Text msgs*→*Delete messages*→**Yes**. If there are unread text messages in the folder, the confirmation query *All messages not read. Delete anyway?* is shown.

P8GR - User Guide

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PS11503AENAE01

41/56

7. Audio profiles

Your pager has various audio profiles for different events and environments. You can customise the settings related to the profiles. One audio profile is always active.

The available profiles are *General*, *Silent*, *Meeting* and *Home station*.

To change the profile, press the power key ⊚ quickly in the idle screen, and select the desired profile.

You can also change the profile by selecting **Menu** →*Audio profiles* and selecting the desired profile.

Audio profiles settings

1. Select **Menu** →*Audio profiles*.

2. Scroll to the desired profile, and select **Modify**.

3. Select one of the following settings:

- *Vibra option*

- *Message alert tone*

- *Callout tone*

- *Keypad tones*

- *Lights*

- *Light indicator*

8.   Home station

When you connect the pager to the home station successfully, *Connected to home station* is shown on the display. The home station specific audio profile and user role are activated, the vibration is set off and charging is started.

Home station settings

1. Select **Menu** →*Home station*→**Select**.

2. Scroll to one of the following:

- *Default profile*

    You can define the audio profile that is activated when the pager is inserted to the home station:

    - *Current profile*
    - *General*
    - *Silent*
    - *Meeting*
    - *Home station*

- *Screen saver*

    You have the following options to personalise:

    - *Screen saver state*
    - *Display information*
    - *Time-out*

For more information on the screen saver, see Screen saver on page 45.

9.   Settings

Volume

Select **Menu**→*Settings*→*Volume*. After that you can adjust the volume with the down ▽ and up scroll keys △ and accept the volume with **OK**.

Device settings

Select **Menu** →*Settings*→*Device settings* and select one of the following:

- *Device language* – to define the language of your pager.
- *Network* – to select the network mode: *Automatic* or *Manual*.
- *Active mode* – to select the active mode: *Network* or *Direct* .
- *TX barring* – to set TX barring *On* or *Off*.
- *Automatic keyg.* – to set the automatic keyguard *On* or *Off*.
- *Font size* – to change the font size: Normal font or Large font.
- *Brightness* – to make the display lighter or darker. After that you can adjust the brightness with the down ▽ and up △ scroll keys.

Security codes

Select **Menu**→*Settings*→*Security codes* and select one of the following:

- *Device code* - to set the device code *On* or *Off*
- *Change device code* – to change the device code.
- *Change security code* – to change the security code.

Smart card settings

Select **Menu**→*Settings*→*Smart card settings* and select one of the following:

- *Smart card encryption* – to set the smard card encryption *On* or *Off*.
- *DMO encryption mode* – to set the Encryption mode 1/Encryption mode 2.
- *SDS encryption* – to set the SDS encryption *On* or *Off*.
- *SDS encryption key* – to select General/Special for the SDS encryption key.
- *Manual key negotiation* – to initiate key negotiation.

Screen saver

Screen saver when the pager is used outside the home station

Select **Menu**→*Settings*→*Screen saver* and select one of the following:

- *Screen saver state* – to set screen saver state *On* or *Off*.

- *Display information* – to select the information that is shown on the display when the screen saver is on. Three items and the upper and lower status bars can be shown.

  - *Time*

  - *Tactical availability status*

  - *Network*

  - *User role*

  - *Upper status bar*

  - *Lower status bar*

- *Time-out* – to define the time-out for the screen saver.

> **Note:** The pager receives the time and the date from the network, and you cannot change them. If the pager has not received the time from the network and you try to set the time-out, the time is requested. If you now set the time, the time is updated when it is received from the network.

Screen saver when the pager is inserted to the home station

Select **Menu**→*Home station*→*Screen saver*.

Screen saver state and *Time-out* are common settings for the screen saver even if the pager is inserted to the home station or it is used without the home station. If you change one of these two settings when using the pager in the home station, the setting is also changed when using the pager without the home station, and vice versa.

Display information can be set separately in both use cases. So the screen saver can have different options when the pager is used without the home station and when it is inserted to the home station.

For the screen saver menu options, see Screen saver when the pager is used outside the home station on page 45.

P8GR - User Guide

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PS11503AENAE01

45/56

Time and date settings

Select **Menu**→*Settings*→*Time and date settings* and select one of the following:

- *Show clock*/*Hide clock*
- *Show date*/*Hide date*

> **Note:** The pager receives the time and the date from the network, and you cannot change them. However, if the pager has not received the time from the network and you try to set the time-out or the alarm clock, the time is requested. If you now set the time, the time is updated when it is received from the network.

User role

Your organisation can define different user roles. The user role indicates the current task of the user in the organisation where the user is working. It defines what callout messages the pager receives and how the pager alerts when receiving a message.

If more than one user role is predefined in the pager, the user role is shown in the idle screen as a text and with an icon in the upper status bar.

If there is only one user role defined in the pager, the setting *User role* is not shown under *Settings* menu.

Select **Menu**→*Settings*→*User role* and select the user role.

10. Alarm clock

Select **Menu**→*Alarm clock*. Set the alarm time using the up and down scroll keys ◿ and ◿.

> **Note:** The pager receives the time and the date from the network, and you cannot change them. If the pager has not received the time from the network and you try to set alarm clock, the time is requested. If you now set the time, the time is updated when it is received from the network.

11. Service menu

In the *Service menu* you can find data related to the manufacturer, subscriber and network as well as some information on diagnostic data.

Select **Menu** →*Service menu*.

12. Direct mode

■ Basics

In the direct mode, the pager operates without the network, so that the devices communicate directly with each other. The direct mode enables communications outside the network coverage area. For details and availability, contact your service provider.

When the direct mode is active, only those functions that do not require the use of the network can be used. To use functions that require the use of the network, activate the network mode, and return to the network coverage area.

The pager supports status, text and callout messages in the direct mode, see Callout messaging on page 30, Status messaging on page 36 and Text messaging on page 39.

To receive messages in the direct mode, the user must be in the coverage area of the transmitting device. For communication to be efficient, all the users should be within each other's radio coverage areas.

■ Start direct mode communication

Activate direct mode

To activate the direct mode, select **Menu**→*Settings*→ *Device settings*→ *Active mode*→*Direct*. To return to the network mode, select *Network*.

Your organisation predefines the channel that is selected when switching to direct mode.

When the pager operates in the direct mode, **Direct mode** is shown in the idle screen.

The signal strength indicator indicates the signal strength of the device you are receiving communication from. The longer the bar, the stronger the signal and better the connection.

If a compatible direct mode repeater device is available, **Repeater** is displayed in the idle mode, and the signal strength indicator ▐ indicates the signal strength of the repeater.

When your pager is in the direct mode, it monitors the availability of the network. If the network is available, your pager shows a notification about it.

If you change your availability status while operating in the direct mode, the availability status is stored in the buffer and sent once your pager is back in service in the trunked mode.

> **Note:** Your service provider can also command your pager to the direct mode by using a remote control command.

■ Direct mode messages

Your pager supports sending and receiving callout and status messages and receiving text messages in the direct mode. Messages can be individual or group addressed.

> **Note:** Sending callout availability status messages is not supported in the direct mode.

13. Battery information

■ Charging and discharging

Your radio is powered by a rechargeable battery. The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, discontinue using the battery and contact your reseller to purchase a replacement battery. Use only Airbus DS SLC approved batteries, and recharge your battery only with Airbus DS SLC approved chargers designated for this radio.

If a replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger then disconnect and reconnect it to begin charging the battery.

Unplug the charger from the mains plug and the radio when not in use. Do not leave the battery connected to a charger for prolonged periods of time. Overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time. Temperature extremes can affect the ability of your battery to charge.

If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made. Use the battery only for its intended purpose. Never use any charger or battery that is damaged, bloated, or is found getting uncomfortably hot during using or charging.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A radio with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire as they may explode. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

CARE AND MAINTENANCE

Your P8GR pager is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you protect your warranty coverage.

- Do not use or store the pager in dusty, dirty areas. Its moving parts and electronic components can be damaged

- Do not store the pager in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics

- Do not store the pager in cold areas. When the pager returns to its normal temperature, moisture can form inside the pager and damage electronic circuit boards

- Do not attempt to open the pager other than as instructed in this guide

- Do not drop, knock, or shake the pager. Rough handling can break internal circuit boards and fine mechanics

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the pager

- Do not paint the pager. Paint can clog the moving parts and prevent proper operation

- Use only the supplied or an approved accessories. Unauthorised antennas, modifications, or attachments could damage the pager and may violate regulations governing radio devices

All of the above suggestions apply equally to your pager, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

IMPORTANT SAFETY INFORMATION

◼ Operating environment

Remember to follow any special regulations in force in any area and always switch off your pager when its use is prohibited or when it may cause interference or danger. Use the pager only in its normal operating positions. To maintain compliance with radio frequency exposure guidelines only use enhancements approved by Airbus DS SLC for use with this pager. When the pager is on and being worn on the body, always use an approved holder or carrying case.

The pager shall not be put close to the ear: auditory acuity of the listener may be damaged as a result of this misuse due to the audio power output level.

Using two TETRA devices closeby may cause them to interfere with each other, for example, when two such devices are in the same vehicle. If you experience such interference, separate the two devices until the interference stops.

◼ Medical devices

Operation of any radio transmitting equipment may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your pager in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 in. (15.3 cm) be maintained between a wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should:

- Always keep the pager more than 6 in. (15.3 cm) from their pacemaker when the pager is switched on

- Not carry the pager in a breast pocket

- Not carry the pager close to the pacemaker to avoid potential interference with the pacemaker

If you have any reason to suspect that interference is taking place, switch off your pager immediately.

Hearing aids

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

■ Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, air bag systems. For more information, check with the manufacturer or its representative of your vehicle or any equipment that has been added. Only qualified personnel should service the pager. Faulty service may be dangerous and may invalidate any warranty that may apply to the pager. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the pager, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result. Using the pager in an aircraft or at an airport may be prohibited. Follow any restrictions. Wireless devices can cause interference in an aircraft. Airport professionals using wireless devices should follow the special guidance and instructions issued by their own organization.

■ Potentially explosive environments

Switch off your pager when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the pager at refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas, chemical plants or where blasting operations are in progress. Areas with a potentially

explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders. However, Airbus DS SLC provides special Atex certified products that can be used in potentially explosive gas areas. For more information on these products, please contact the nearest authorised Airbus DS SLC distributor.

Important: Wireless devices, including this pager, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

■ Home station safety regulations

The home station is intended for indoor use only.

There is a risk of an electric shock. Only an authorized electrician is allowed to make connections to the relay contact. Unauthorized installations may be dangerous.

Due to the electrical safety regulations, the use of the home station is not allowed in locations situated 1500 m above sea level.