AESM XChange Configuration (Internal)

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# Preface

## Documentation objectives

To facilitate CPQ, this document is amended for internal reference. It will only be applicable when CPQ or manual IOF submission is required for KU/Starlink installation.

# Customer Information and Existing Configuration

|  |  |
| --- | --- |
| Customer Name and address: |  |
| Customer IT responsible:  (Name, eMail and telephone number) |  |
|  |  |

## Vessel Backup Information

Please state for which vessels as part of the roll-out, the defined communication system, standard network configuration and telephony configuration shall be applied for.

|  |  |
| --- | --- |
| Name of the Vessels in your fleet  *(The list of vessels is pre-filled)* | Is the same communication system, network and telephony configuration existing on the Vessel? |
| Wild Rose Leader (Starlink vessel example) | Yes  No - Best choice example. |
| Sara Leader | Yes  No – 2nd choice example |
|  | Yes  No |

**Note:**

* Xchange backup may be used where required. This document is an indicative reference.
* Configuration may be subjected to adjustments in exceptional situations where optional additional instructions may be provided.
* EWA is set to Shore for both options

# Introduction

## Assumed on board network

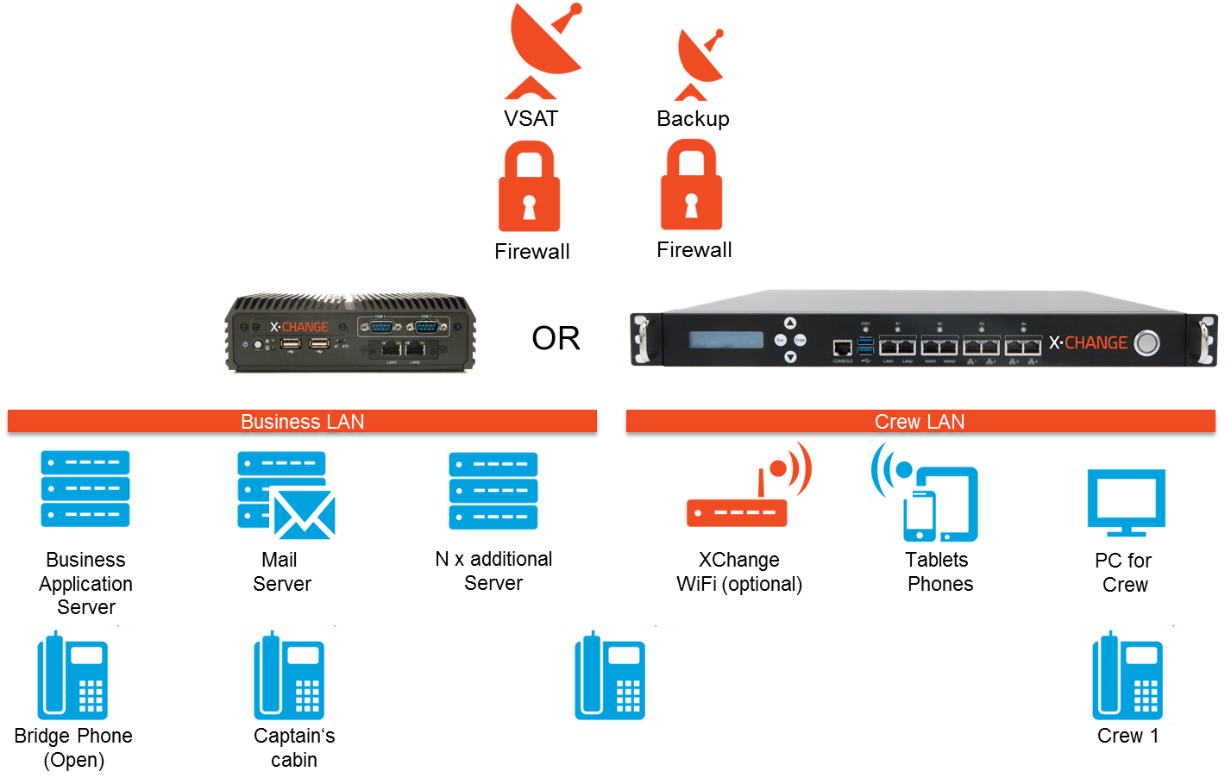
As part of the initial on-board installation and Commissioning, the following advanced on-board network configuration is assumed to be present.

On board configuration:

* Two or more terminal devices, i.e. VSAT and a MSS backup device
* Two on board Local Area Networks (LAN 1 and LAN 2)
* Maximum of ten clients connected to the LAN 1, which are assumed to be used for business critical communication (e.g. Business Application Server or Mail Server)
* Maximum of 9 onboard phones, preferable SIP Phones  
  (Analogue phone support available on demand as an option)

Optional:

* Depending on the commercial package, the XChange WiFi solution is connected to the LAN 2, consisting of an additional HP switch with three or more XChange WiFi Access Points



**Note:**

* The advanced configuration ensures the business critical communication, by means of making phone calls and sending e-mails
* Additional security related parameters, like firewall settings can assigned to each terminal
* The customer receives access to the Portal360 to manage the on-board configuration (e.g. firewall rules) or administer user accounts and credits

# Communication Systems

## Existing and remaining on-board communication systems

What are the existing on-board communication systems, such as FleetBroadband, which should remain and be connected to the XChange platform.

**MSS Backup allows Business Email communication Firewall filters only.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| WAN Terminals | Terminal Type | WAN IP Address Range | WAN Subnet Mask | Data Ranking (1,2,3,4) |
| Main Terminal | Starlink | TBA by Marlink Network Team for each vessel | TBA by Marlink Network Team for each vessel | 1 |
| Terminal #A | VSAT | TBA by Marlink Network Team for each vessel | TBA by Marlink Network Team for each vessel | Rank 2 if there is Starlink, otherwise rank 1 |
| Terminal #B | MSS Backup | TBA by Marlink Network Team for each vessel | TBA by Marlink Network Team for each vessel | Rank 3 if there is Starlink, otherwise rank 2 |
| Terminal #C | Customer to advise if any |  |  |  |

## Terminals firewall configuration

The following default firewall rules are available to be configured per terminal device.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Description | Main Terminal | Starlink  If applicable | Backup Terminal #A | Backup Terminal #B |
| Open | Any traffic is allowed |  |  |  |  |
| Block All | All traffic is unavailable |  |  |  |  |
| XChange System Traffic Only | Limit traffic to necessary data for operating the XChange, including system synchronisations, VoIP and firmware updates. |  |  |  |  |
| Data Manager | Gives access to Data Manager |  |  |  |  |
| POP & IMAP Email | POP and IMAP Email allowed |  |  |  |  |
| SkyFile Access | Allows SkyFile FTP traffic |  |  |  |  |
| SkyFile Mail | Allows SkyFile Mail traffic |  |  |  |  |
| Web | Allows web surfing  (HTTP & HTTPS) |  |  |  |  |
| FTP active mode | Allows FTP traffic |  |  |  |  |
| <Custom Rule> | Additional user defined FW rule as defined below |  |  |  |  |

If required, please use the following table to configure a customised firewall rule:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Filter Name: | | | <Custom Rule> | | | |
| # | | Action | Direction | Protocol | IP Address  (e.g. 46.39.176.215) | Port(s)  (e.g 27941) |
| 1 | Accept  Deny | Both  In  Out | All  ICMP  TCP /  UDP |  |  |
| 2 | Accept  Deny | Both  In  Out | All  ICMP  TCP /  UDP |  |  |
| 3 | Accept  Deny | Both  In  Out | All  ICMP  TCP /  UDP |  |  |
| 4 | Accept  Deny | Both  In  Out | All  ICMP  TCP /  UDP |  |  |
| 5 | Accept  Deny | Both  In  Out | All  ICMP  TCP /  UDP |  |  |

Note:

* Please note, in case of the Sealink Plus commercial package, the backup device firewall will automatically be configured by Marlink to allow only POP & IMAP Email and SkyFile Mail traffic.
* The XChange System Traffic Only is automatically added to the firewall rules by Marlink in case a filter is applied to ensure system traffic and synchronisation of the XChange solution works

# Advanced Network Configuration Parameters

## Generic parameters

Please state in which time zone the XChange Box is operated

|  |  |
| --- | --- |
| Local Time: (UTC offset, e.g. UTC+1 or UTC-10) | UTC |
| System Currency (either US dollar or Euro) | US dollar ($)  Euro (€) |

## Network configuration

Up to two local networks can be configured in static IP addressing mode or in DHCP dynamical IP addressing mode.

The below table represents the XChange Default configuration.

|  |  |  |  |
| --- | --- | --- | --- |
| **LAN #** | **LAN1** | **LAN2** | **LAN 4** |
| Main Usage  (e.g. Business LAN or Crew LAN) | Business LAN | Crew LAN | IoT LAN |
| Enable the LAN port:  (Select ‘No’ for LAN ports not used) | Yes  No | Yes  No | Yes  No |
| Interface Mode (e.g. DHCP or Static):  (Default: DHCP) | DHCP  Static | DHCP *(Mandatory option in case of XChange WiFi and XChange Media SetTop Box)*  Static | DHCP  Static |
| IP range – DHCP Pool:  (e.g. 10.0.2.2 – 10.0.2.254) | NA | 10.0.2.2 – 10.0.2.254 | NA |
| Subnet Mask:  (e.g. 255.255.255.0) | 255.255.255.0 | 255.255.255.0 | 255.255.255.0 |
| XChange IP Address (Default Gateway):  (e.g. 10.0.1.1) | 192.168.0.111 | 10.0.2.1 | 10.8.0.111 |

**See Interlan configuration below.**

**Enable the LAN Port:**

* In case only one LAN port is used, select ‘No’ for the second LAN configuration)

**Interface Mode:**

**DHCP (Recommended)**

* Using ‘DHCP Server Mode’ enables the DHCP service for the specific network, and all connected network devices are provided with appropriate IP addresses by the box.
* For business LAN: Enable DHCP server and limit the IP range to a small number of IP addresses.

**STATIC (Only IT specialists should change the predefined IP parameters where necessary)**

* Using ‘Static Mode’ disables the DHCP service for the specific network and all connected network devices must be provided with a static IP address. The usage of another DHCP server is not recommended.

**Note:**

As with any router, the XChange IP address cannot be assigned with the same IP addresses as used for the connected terminals (e.g. VSAT).

Therefore, the following subnets may not be assigned to the XChange LANs:

For the Marlink VSAT:

* 10.224.x.x,
* 10.236.x.x through 10.243.x.x. and
* 10.136.x.x through 10.142.x.x, and
* 10.166.x.x.

For MSS, the default IP ranges (subnet mask) are:

* Iridium Pilot and Sailor FleetBroadband both have 192.168.0.1 (255.255.255.0).
* JRC FleetBroadband has 192.168.128.100 (255.255.255.0)
* Furuno FleetBroadband has 192.168.1.1 (255.255.255.0)
* Skipper and Satlink FleetBroadband have 192.168.1.35 (255.255.255.0)

For other types of connections (3G/4G, ICE, GSM, etc.) the same rule applies. Their subnets cannot be assigned to the XChange LANs.

## Interlan Configuration

Not required for AESM

## Machine Group configuration

There is a pre-configured Machine group. Specify other Machine groups where is required:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group Name | | Machine | IoT | Customised Groups See below. |
| Group Type | | Machine | Machine |  |
| Description | | Machines and electronic instruments using data connections. |  |  |
| Credit Mode | | Corporate usage | Corporate usage |  |
| Network Access | | | | |
| LAN1 | enabled | enabled | enabled |
| LAN2 | enabled | enabled | enabled |
| LAN4 | enabled | enabled | enabled |
| Connectivity | | | | |
| Data Access:  *(In case of Sealink Plus package, the crew members are not allowed to access the backup device for internet)* | VSAT  M2M Channel 463  Backup | VSAT  Common Channel 465  Backup | VSAT  Backup |
| Daily Access Limits | Disable  Maximum Daily Duration  Daily Time Windows  1.  2.  3. | Disable  Maximum Daily Duration  Daily Time Windows  1.  2.  3. | Disable  Maximum Daily Duration  Daily Time Windows  1.  2.  3. |
| Firewall Setting | | | | |
| Open  *(Any traffic is allowed)* |  |  |  |
| System Tasks Open *(Any traffic is allowed for system tasks)* |  |  |  |
| Block All  *(All traffic is unavailable)* |  |  |  |
| Data Manager  *Gives access to Data Manager* |  |  |  |
| POP & IMAP Email  *(POP and IMAP Email allowed)* |  |  |  |
| SkyFile Access  *(Allows SkyFile FTP traffic)* |  |  |  |
| SkyFile Mail  (Allows SkyFile Mail traffic) |  |  |  |
| Web  (Allows web surfing - HTTP & HTTPS) |  |  |  |
| FTP active mode  (Allows FTP traffic) |  |  |  |

## Machine accounts - network client configuration

Please state which terminal the network clients are allowed to access.

|  |  |
| --- | --- |
| Access to which terminal: | Main terminal only  Main and backup terminals  other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Do you require some specific network clients to automatically connect to the internet? Do you need to be able to remotely access the network client:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Name of the Machine Account:  (e.g. mail server) | Which Machine Group:  *(e.g. Machine (generic), Biznet)* | Static IP address:  *(e.g. 10.0.1.101)* | Remote Access  *(e.g. 8351)* |
|  | NECST1 | Biznet Critical | 10.8.0.61 | No  Yes - Port : |
|  | NECST2 | Biznet Critical | 10.8.0.62 | No  Yes - Port : |
|  | navtor | Biznet Critical | 10.8.0.104 | No  Yes - Port : |
|  | 40f | Biznet Critical | 10.8.0.113 | No  Yes - Port : |
|  |  |  |  |  |
|  |  |  |  |  |

**Note:**

* The Field Engineer performing the onboard installation and configuration of the XChange will not configure the Customer owned network clients (e.g. PCs, server, telephones, etc.) with the above stated IP addresses.
* In case of a permanent data access, background traffic might be generated constantly.

### Machine account firewall configuration

Please state for the above defined network clients the respective firewall rules

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | | Description | Main Terminal | Backup Terminal #A | Backup Terminal #B | Backup Terminal #C |
| Open | Any traffic is allowed |  |  |  |  |
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**Note:**

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## Customised Group configuration

Create Customised Group -

We will be implementing VLAN 480 which will allow through Eik Fortigate firewall to allow FB messenger, LINE, Whatsapp, Viber only.

On the XChange please request the installer to do the following:

1. On XChange create a group (VideoAudioChat) and assigned VLAN 480 (home telepoart) to it.

Graphical user interface, application

Description automatically generated

Connectivity -> VoIP and Voice are not assigned with any channel. Firewall->Backup (FB) does not allow any traffic.

1. Create 4 users under the same group (VideoAudioChat).

![Graphical user interface, table

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAExFRSwgS29uZy1XZW5nAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADMjcAAJKSAAIAAAADMjcAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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oAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiqVxrOl2k7Q3WpWkEq43RyTqrDIzyCfSplKMVeTsVGMpO0Vcu0VS/tnS/tX2b+0rTz9/l+V567t2cbcZznPGKu0RlGWzCUZR+JWCiuRtBquteJtfhHiG/sYLG5jihhtYrYqAYUc5MkTEnLHvSaN4vYeH4HvRLql5Jez2Vr9kRA995bsvmAFgg+Vcschcg4xkCqWqE1Y6+iucl8a2MNiJXs777SLxbF7ERqZo5mGVU/NtwRjDBivIOcZIZeeNo7Se5tzomqzXNnapd3MESwkwxsG6kyBSRtPCkk9s84PP+u/5C/r9DpqK5/TvGNlqV5ZQx2l9DDqMTS2N1NGqx3IVQx2jcWU4ORvVcgHGarWXjCGbT7BdPs9U1i4uLMXZRVgWVYicB3yyJkkEYX0PFD03Baq6OporCufFMcc0FvZaXqN/dS2wumtoY0jkijJwC4lZMEnI28ng8Us3iOxgvI5bqa6tYf7Oe9dZ4QiJGpXJcEbw4z06deM4o/r8/8g/r+vvNyisLT/FMV7fW9rc6bqGnPdxmS0a8RFFwAMnG1mKsAQdrhWxnjg4q6b46s9SGnSrpmpW9nqTiK2vJ441jaTBOwgOWH3SASu0noTkEgdLnT0VhWfimO/vFS00vUZbNp2t11BI0aEupKtwH8wAMpXcUC5HXHNbtAdbBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFcXr/w9/tzXLjUf7T8jztv7v7Pu24UL13D0rtKKwr4eliI8lVXW/8AVjow+Jq4aXPSdnt/Vzi/+Fe/8VR/bH9p/wDL59q8n7P/ALe7bnd+GcV2lFFFHD0qF/Zq19WFbE1a9vaO9tEcjaeDNPvPE2v33iDQ7C8Fzcxtay3UEcxKCFFOMgkDcDwcU7xV4ca5utHvbC0uJotMEkRsrC6NpIY3Cj926ugG3aPlLAEZ9AK6yit+iRhfW5w9p4bvFa2uo9Olti+rxXLx3N61xOsKRld0jvI4JyeiEgAjqc1pjSb0eKfEV55P7i90+3hgfevzuvm7hjORjevX1rpaKTV4uPf/ACS/QE7O/wDW9zkbbQ9Rj/4Qzfb4/syBku/nX92Tb7Mdefm44zWXF4cmg8O6FBqXhm8u7yxsvLW60zUEgubaTBDKW8xPlIPZmBOcr0J9Copy95t9xR91WOEudDvX03SP7c0S91fUbW1KjUdN1BYLqFzkFWcvFkbSOQSCQSVHGWXPhPXNU02K01KZXuJNBms5bqRg4EzOhUN3bheWAwcE9676ijrf+uv+Yf1+X+Ryi2+r69rGjTajpD6XFpTvPKZZ45POlMbRhY9jElRvY5YKfu8cnFS28P6nH4O8J2L22LnT7u2kuk8xf3aoDuOc4OM9s121FHW/o/uF0a+RwcmhXq+IkuNG0W90a6k1BZ7u7t9QQ2VxGOGLQ78szJx/qgQxzu43HvKKKOlhvV3CiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKK4DxJ4utrDxcrtrtpax6S8Mc1k94qNcebxIShPzbFMbDjrure1DxV9gi1txZ+Z/ZRi/5a483eAfTjGfejpcHozoaK4y08UavHd6lbXNrbXFw+rmy06L7SVUgRCQ72EeVAUFs4Y5OOwNWF8X3tw9la2ejxvf3EtxBLFLebI4Xhxu+cISynPBC55GQOcHS/9f1qHX+v66HV0VyWmeNbi9eza60hbaC+sprqBhdqz5i2h1YFVVRluG3HIGTt6DKvPH99e+H9YbSV037bZQwzJNZ6iLqHa7lSN/lY3jacjBHI5oB6K56FRXHxeIri11XULSC1e51GfUUtooJr0+QjfZUkYhvLyiAA/wAJJY543cbN5rNzp3hO71e+0/yri0t5JntfPDAlATgOB0OMgkA4IyAcijZXHZt2NeiuLvfG+qWEd+1xoMI+wWqX0wGoZ/0dt3T93/rBsPy/d/26u3fi+W3vpzHpyyaZaXcVnc3Rn2yLJJswVj24ZQZEBO4H72AccuzvYR09FcR4e8R6jACuoWjzWM2sXNmt41yWkVjM4QeWV/1YwFzuyD/Djms3S/Fo0uK61C7uLh7ZNMtTFHe3mR5kk8yAtIQAMnblscAd8Uh21a7f52PSaKwvDHieDxHHdrG1m01pIEkNjeC6hIYZBWQBc9wQQCCD7E4d/wCItS1HUNJltLVrfS21eS3FxHdHfMI0mVt8e0AIWXI+Zs4BIFJ6CWqudzRXB6Z43+y2Oh2rRR4ubKCUS6nqQjmn3nBEbMgWZxwWGUPzD1rfh1+9u9UuFtNMSXTbW4NtNdG5CyBgAWYRlcFATgneDkHCnHNPR2/rQDdorkYfG8zWq3dxpax2t3ZTXtg6XO5pkjUNiRdg8slSCMFx159YpfHN7Z2VxNqGhpG62CX9vFFe7zIjOFKsSgCMNw6bh15pf1+f+TB6K/8AXT/NHZ0VyVz42k0u11L+3LG2s7myaAKq3u6F/OO1C0jIuwAg7vlOAMjPSmWXj1dSgWDTreyvNSe8+yJHbagJbZj5Zl3+cqZ27QR9zO7jGOaAOworgdc8Qa5HcX8V7aGytY9CnuZYoL0CZJFYrujcRnrxtJxwclQRtrUl8Xy288jR6f5um2lzDZ3V01xiRZJAmCse3DqDIgJ3A/ewDjkWv9edvzD+vwT/AFOqorlLPxjeXGoW6zaTHFY3OozadHOLvdIZIzJ83l7ANp8s/wAWQexHJv8AibxD/YENuw/s8NMxAbUNQW0j4GcA7WZmPYBT3yRxlN2Vx2d7G5RXl/iHxNrN9Ha6tpEfkQjQJdSiU38kex/l+Zo1QrIVzgK3ynJPFbOp/EWHRZhb6gNOSW2t4pr1ZNSWOTLDJECFcykDnnZnIAycgVZ9f63X6C/r8v8ANHb0Vh6Zrl9q13qC22n2621ncG3WWS7IaVhtJO0IcDa3rnIxjHNblLpcAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAM6DQ7SLSrvT5N88V40rTmUgtJ5hJbOABjnA9gKx5/AdrcRPE+ramIZoIobmNZI8XHlDCOx2ZDdM7SAcDIIrRstCe08Q3eqNfSyi4BUQF32xjII6uQf4uo4yAu0ZB2KED1MCfwlbS3F1PHfXkEs90t5G0ZjzbTBNhZNyH7y8ENuHoBUtj4Xs7CazmSa4lmtWmcySuC0zy4Lu+AOcjtgDoBjAraooDc51/BOmSafbWcsly8NtaXFmoLgFkmxuyQOvyjGMfjTP8AhCLWS3vku9T1G6kvrVLWSaV49wVGZkKhUCgjd6YOOQTknpaKA3Vjn5PCFs7SzC+vUvXuUu1vFMfmRyrEIiygps5QEEFSPmOAOMXJdCiuPDdxo11d3dxHcxSRS3EsgaVt+dxzjA68AAKOgAHFalFA7u9zE1DwpY6kmorPLcKNQsVsJdjKNsa78Fcj73znrkdOKZc+EbO51J7lrq7SCaeO5uLJGQQzyxhdjt8u7I2JwGAO0ZB5zvUU7vcRz1r4NtLa9SX7ffTQR3cl6tnI6GITOzNv4UNxuOF3beAcZ5pkHgfTILWSFJro77eKBXLruj8uRpEdTt+8GfPORwOOuekopDvrf+u5R0vTH05JvO1G91CWZ9zS3bqSMAABVRVRRx2UZPJyayx4Ms11COdb6+W3hu3vIrIOnkxyuGDMPk3c72OCxAJ4AroqKNxdLHNP4Jtm0qDS11TUk0+O2S1ltd8bJcRrxhtyEqSOCU2k/gMW18NRR6rJd2+oX0EE0wuJrGJ1WGWTAG4nbv5wMqGCnHIOTnaop31uBzcPgmxiR4nvL2aAW0trawSOm2zjk4YR4UE8AAFyxAGPXM194QsL+PZNNcqPsS2XyMv3Aytn7v3sqPb2reopf1+f+bB67/1/VkY974Zs764vp5JbhJbxYcvGwBiaFi0bpx1BOecg46YyDC/hVZbZBPq+pTXkdx9piv3eMyxPtKfKuzywNpII2YOSTzzW9RQBzl14LtryMrcalqMjSWc1nPI0iM06SHJJyhwQeQF2gdMY4qSfwfZT35nN1dpbyTRXE9kjJ5M8sYUI7fLuyNicBgDtGQec79FG39fMDFj8L2UUdqiy3BFrqEmoJll5kcvkHj7v7xsDrwOal1XQItVv7W8+2XdnPbK8Ye2ZRvjfbuQ7lPB2jkYYdiK1aKVrqw7u9znU8E6aumxWLS3TwxaY+mDc65MTYySQv3vlHPT2p8vhQO6vHrWqQM8SRXLQSRoboJ0LEJlGwSN0ew478DG/RVXf9f15i/r+vuM+00eOxjvFtLieNru6Ny75UlWOMgZXGMLjnJ5PNaFFFIAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKK8z+I+mXA8beDNTl1S6eD+3LeGKwBCwodkhZyBy7HAAJ+6M46mhayS7tL7xPSLfZN/crnplFeMat4g1jwp43+IuvaX9he1sG06S6t7iF2edTEoKowdQhAJOSHyccDv7MrblDeozR0TKasxaKKKBBRRRQAUUUUAFFFFABRRRQAUUVAyLLdMsgDKqAhT0ySf8KAK13rEVrcm3SCe5lUAuIQvyZ6ZLEDPtUP9un/oF3v5xf8AxyqJMcOq6koAQeeuAB/0yjp/mp6/pQBr2OoRX6v5avG8Zw8cgwy+nTII9watVhaSkU+sXpdFfEEONy5x80tbH2W3/wCeEX/fAoAloqL7Lb/88Iv++BR9lt/+eEX/AHwKAJaKi+y2/wDzwi/74FH2W3/54Rf98CgCWiovstv/AM8Iv++BR9lt/wDnhF/3wKAJaKi+y2//ADwi/wC+BR9lt/8AnhF/3wKAJaKi+y2//PCL/vgUfZbf/nhF/wB8CgCWiovstv8A88Iv++BR9lt/+eEX/fAoAloqL7Lb/wDPCL/vgUfZbf8A54Rf98CgCWiovstv/wA8Iv8AvgUfZbf/AJ4Rf98CgCWiovstv/zwi/74FH2W3/54Rf8AfAoAloqL7Lb/APPCL/vgUfZbf/nhF/3wKAJaKi+y2/8Azwi/74FH2W3/AOeEX/fAoAloqL7Lb/8APCL/AL4FH2W3/wCeEX/fAoAloqL7Lb/88Iv++BR9lt/+eEX/AHwKAJaKi+y2/wDzwi/74FH2W3/54Rf98CgCWiovstv/AM8Iv++BR9lt/wDnhF/3wKAJaKi+y2//ADwi/wC+BR9lt/8AnhF/3wKAJaKi+y2//PCL/vgUfZbf/nhF/wB8CgCWiovstv8A88Iv++BR9lt/+eEX/fAoAloqL7Lb/wDPCL/vgUfZbf8A54Rf98CgCWiovstv/wA8Iv8AvgUkA2mVB91HwvsMA/1oAmooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKoanoun6xLYyajb+c1hcrdWx3svlyqCA3BGeGPByKv0UAYV/4L0DU11hb6w80a2I11D99IPOEYwnRvlwB/DjPet0AKoA6DgUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVG8bGTfG4VsYORkEVJRQBzV5DPa6ncyTQyypcMsiyQQs44RVIIXJH3f1qLzh/z7Xv8A4BS//E11VFAGHo1vc/abm6CGBJFSNBNGQzbSxzjII+9jn0rX23H/AD1i/wC/Z/8AiqlooAi23H/PWL/v2f8A4qjbcf8APWL/AL9n/wCKqWigCLbcf89Yv+/Z/wDiqNtx/wA9Yv8Av2f/AIqpaKAIttx/z1i/79n/AOKo23H/AD1i/wC/Z/8AiqlooAi23H/PWL/v2f8A4qjbcf8APWL/AL9n/wCKqWigCLbcf89Yv+/Z/wDiqNtx/wA9Yv8Av2f/AIqpaKAIttx/z1i/79n/AOKo23H/AD1i/wC/Z/8AiqlooAi23H/PWL/v2f8A4qjbcf8APWL/AL9n/wCKqWigCLbcf89Yv+/Z/wDiqNtx/wA9Yv8Av2f/AIqpaKAIttx/z1i/79n/AOKo23H/AD1i/wC/Z/8AiqlooAi23H/PWL/v2f8A4qjbcf8APWL/AL9n/wCKqWigCLbcf89Yv+/Z/wDiqNtx/wA9Yv8Av2f/AIqpaKAIttx/z1i/79n/AOKo23H/AD1i/wC/Z/8AiqlooAi23H/PWL/v2f8A4qjbcf8APWL/AL9n/wCKqWigCLbcf89Yv+/Z/wDiqNtx/wA9Yv8Av2f/AIqpaKAIttx/z1i/79n/AOKo23H/AD1i/wC/Z/8AiqlooAi23H/PWL/v2f8A4qjbcf8APWL/AL9n/wCKqWigCLbcf89Yv+/Z/wDiqNtx/wA9Yv8Av2f/AIqpaKAIttx/z1i/79n/AOKo23H/AD1i/wC/Z/8AiqlooAi23H/PWL/v2f8A4qjbcf8APWL/AL9n/wCKqWigCLbcf89Yv+/Z/wDiqdFH5anJ3Mxyx9TT6KACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACisnUru4jvRFDMY1EYb5VBySSO4PpVX7be/8AP3J/3wn/AMTQB0FFc/8Abb3/AJ+5P++E/wDiaPtt7/z9yf8AfCf/ABNAHQUVz/229/5+5P8AvhP/AImj7be/8/cn/fCf/E0AdBRXP/bb3/n7k/74T/4mr2lXM88k6TyGTYFIJAB5z6D2oA0qKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAxNV/5Ch/64p/6E1VKt6r/AMhQ/wDXFP8A0JqqUAYmua++kXMUSx2YWRc7729+zK5z9xCVYM3HQkdRz6WLrWGg1GO0itvMZo9zM0gURuwPlqev3irDPY465qTUNLkvpN8WpXlmCmyRIDGyyDnqHRgOp5XBPfOBiq/hPSJHaV7VGusqYrpkUzQbQAoRyMgDA4+uc5NC/r+v6/zHvp/X9f15Nu/EkcOmLeW0SSKbNrthLL5YjUYwGODjJOOnG1vTFS6DrLazFNJ5mmSLGwUNp1/9qGf9o7F2n86X/hH7YQ6hGs06m+yGcFd0QyThMr0DMzc55Y9uKs2FlcWfmfaNUu7/AHYx9pWIbPp5aL1989KALlX9G/4+bn/cj/m1UKv6N/x83P8AuR/zagDXooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigDN1DT57i7E0BjI2BSHYjGCT2B9arf2Ve+lv8A9/G/+JrbooAxP7KvfS3/AO/jf/E0f2Ve+lv/AN/G/wDia26KAMT+yr30t/8Av43/AMTR/ZV76W//AH8b/wCJrbooAxP7KvfS3/7+N/8AE1c02yltXlecpmQKAEJOMZ9QPWr9FABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAH/2Q==)

Usernames are videochat1, videochat2, videochat3 and videochat4.

## Customised Group configuration – Vessels with Starlink Connections

After first sync of Starlink device, please contact Service Desk to update the price matrix as shown in the screen capture.

A screenshot of a computer

Description automatically generated

For Vessels with Starlink Connection(s).

Create New Starlink Crew group (Name: StarlinkOnlyCrewUsage).   
Use Starlink M2M

25crew + 2 Spare – 25GB each user (Local Allowance) per month (no top up).

Price matrix $0.01 per MB.   
See Crew Creation List below.

New Machine group (Name: SealinkOnlyMachineUsage):

Use Sealink M2M, device priority: Sealink >BackupFBB

Move Machine user with IP 192.168.0.88 to SealinkMachineUsage group and name is as SIMS2.  
Add 10.8.0.88 as DualogSIM3 to the SealinkOnlyMachineUsage group as well.

Existing Crew group use Sealink Crew only.

Other non-Crew groups (except SealinkMachineUsage and VideoAudioChat) should have the device priority of:

Starlink > Sealink > Backup FBB

# User and Credit Management Configuration

## Self-registration

Please state whether crew members are able register themselves on the login screen of the XChange user interface. Please note that the captain needs to activate the self-registered user accounts before the Crew member is able to use any services.  
Please disable Self Registration and disable data for the NewEntry group.

|  |  |
| --- | --- |
| Allow User Self-registration:  (Default: ON) | ON  OFF |

**Note:**

* In case crew members are not allowed to self-register to the system a dedicated person either on board or remotely needs to manually create user accounts.

## Credit management (Non Starlink connectivity)

By default the credit request functionality is enabled, allowing the crew to request additional credit top-ups to their personal accounts. Unless the overall monthly credit request does not exceed the maximum monthly credit request, the captain does not have to validate every order.

The automatic credit reload functionality can be used to automatically reset or top-up the corporate credit provided to the crew group.

Create crew users based previous installs and re-use the Xchange backup for the accounts. Crew Accounts to be made under crew group with unlimited data as local allowance under rating table USD$0/0.

|  |  |
| --- | --- |
| Credit Request (General Configuration) | |
| Allow users to request a credit top-up for their local allowance?  (Default: Yes) | Yes  No |
| Is it required to validate every credit request?  (Default: No) | Yes  No |
| Maximum monthly credit request amount in defined currency:  *(Default 100)* | Not applicable. |
| How long shall the credit request be stored until it is removed (in days)  *(Default: 30 days)* | Not applicable. |
| Automatic Credit Reload modifies the corporate credit allowance (which can be used for using data services only) for the User Group as defined below. | |
| Mode  *(Default: Disabled)* | Disabled  Reset  top-up |
| Periodicity (example monthly | Daily  Weekly  Monthly |
| Credit Amount in currency, e.g. 50 USD) | No access limits. |

**Note:**

* Beneath the credit request – the default configuration also supports the creation of vouchers, which can be purchased by crew members to top-up their personal credit
* Every credit purchase and update is logged in the credit log available locally on board or remotely via the Portal360
* Please refer to the respective XChange user manuals for further information

## User Group and Account configuration

The master group has a pre-configured user named: dcaptain.

Please add a user:

Username: necst

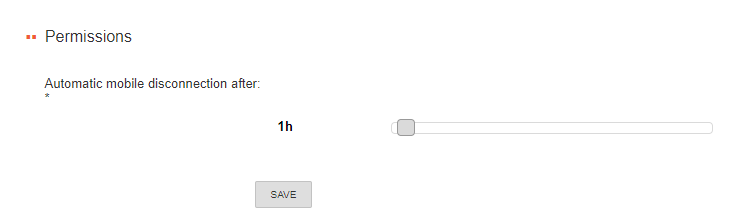
Password: N3c5tshare

Group: Captain

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Group Name | | Master | Officer | Crew |
| Description | | Captain and managing personnel, allowed to administer the crew and credit. | Office and Bridge staff | Crew Members |
| Credit Mode | | Corporate usage | Corporate usage | Local allowance |
| Network Access | | | | |
| LAN1 | enabled | enabled | enabled |
| LAN2 | enabled | enabled | enabled |
| LAN4 | enabled | enabled | enabled |
| Connectivity | | | | |
| Data Access:  *(In case of Sealink Plus package, the crew members are not allowed to access the backup device for internet)* | VSAT  Backup | VSAT (VoIP only)  Backup (VoIP only) | VSAT (Data only)  Crew Channel 466  Backup |
| Daily Access Limits | Disable  Maximum Daily Duration  Daily Time Windows  1.  2.  3. | Disable  Maximum Daily Duration  Daily Time Windows  1.  2.  3. | Disable  Maximum Daily Duration  Daily Time Windows  1.  2.  3. |
| Maximum mobile data session | |  |  | 1 hour. See screen cap below. |
| Firewall Setting | | | | |
| Open  *(Any traffic is allowed)* |  |  |  |
| Block All  *(All traffic is unavailable)* |  |  |  |
| Data Manager  *Gives access to Data Manager* |  |  |  |
| POP & IMAP Email  *(POP and IMAP Email allowed)* |  |  |  |
| SkyFile Access  *(Allows SkyFile FTP traffic)* |  |  |  |
| SkyFile Mail  (Allows SkyFile Mail traffic) |  |  |  |
| Web  (Allows web surfing - HTTP & HTTPS) |  |  |  |
| FTP active mode  (Allows FTP traffic) |  |  |  |

Maximum Mobile Data Session Duration – 1hrs

As per instruction guide in the screen cap below.



## Crew Creation List (Advised by Customer)

VSAT User-List

# Telephony Configuration

The XChange is able to hide the last four digits of called destination numbers in the Call Log to ensure privacy.

|  |  |
| --- | --- |
| Hide destination number:  *(This hides the last four digits in call log to ensure privacy)* | Yes  No |

## SIP PHONES

The XChange has a built in SIP interface allowing it to “talk” to IP Phones plugged into either LAN, or to Smartphones running the FREE Marlink XChange Voice App.

Please state the configuration of up to 5 phones.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phone device | Phone#1 | Phone#2 | Phone#3 | Phone#4 | Phone#5 |
| Shall the telephone be configured? | Yes  No | Yes  No | Yes  No | Yes  No | Yes  No |
| Phone Name  *(e.g. Bridge, Captain’s cabin, crew 1)* | Bridge  192.168.0.51 | Captain  192.168.0.52 | Ship Office  192.168.0.53 | Officer Smoke Room  10.0.2.201 | Crew Smoke Room  10.0.2.202 |
| Crew Phone | Yes  No | Yes  No | Yes  No | Yes  No | Yes  No |
| Authentication:  *(Either open or PIN restricted. For crew phones, select the PIN restricted option)* | Open  PIN restricted | Open  PIN restricted | Open  PIN restricted | Open  PIN restricted | Open  PIN restricted |
| Outgoing Lines:  Which of the available voice lines should be assigned per phone?  *(The order in which the lines are stated here, define the priority in which the voice lines are used.)* | 1: VSAT line #1  2: VSAT line #2  3: VSAT line #3  4: | 1: VSAT line #1  2: VSAT line #2  3: VSAT line #3  4: | 1: VSAT line #1  2: VSAT line #2  3: VSAT line #3  4: | 1: VSAT #4 Prepaid  2:  3:  4: | 1: VSAT #4 Prepaid  2:  3:  4: |
| Incoming Lines:  *(Note: Phones used by crew usually do not have any incoming lines associated)* | NO  1: VSAT line #1  2: VSAT line #2  3: VSAT line #3  4: | NO  1: VSAT line #1  2: VSAT line #2  3: VSAT line #3  4: | NO  1: VSAT line #1  2: VSAT line #2  3: VSAT line #3  4: | NO  1:  2:  3:  4: | NO  1:  2:  3:  4: |

## Analogue phones (optional) – Not used.

If required, Marlink can offer an interface to analogue telephones for an extra charge.

Please contact your sales representative for more information.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Phone device | | Phone#1 | Phone#2 | Phone#3 | Phone#4 | Phone#5 |
| Shall the telephone be configured? | Yes  No | Yes  No | Yes  No | Yes  No | Yes  No |
| Phone Name  *(e.g. Bridge, Captain’s cabin, crew 1)* | |  |  |  |  |  |
| Crew Phone | Yes  No | Yes  No | Yes  No | Yes  No | Yes  No |
| Authentication:  *(Either open or PIN restricted. For crew phones, select the PIN restricted option)* | Open  PIN restricted | Open  PIN restricted | Open  PIN restricted | Open  PIN restricted | Open  PIN restricted |
| Outgoing Lines:  Which of the available voice lines should be assigned per phone?  *(The order in which the lines are stated here, define the priority in which the voice lines are used.)* | | 1: VSAT line #1  2: VSAT line #2  3: Backup line #1  4: | 1: VSAT line #1  2: VSAT line #2  3: Backup line #1  4: | 1: VSAT line #1  2: VSAT line #2  3: Backup line #1  4: | 1:  2:  3:  4: | 1:  2:  3:  4: |
| Incoming Lines:  *(Note: Phones used by crew usually do not have any incoming lines associated)* | NO  1: VSAT line #1  2: VSAT line #2  3: Backup line #1  4: | NO  1: VSAT line #1  2: VSAT line #2  3: Backup line #1  4: | NO  1: VSAT line #1  2: VSAT line #2  3: Backup line #1  4: | NO  1:  2:  3:  4: | NO  1:  2:  3:  4: |

# DataManager Configuration

This section contains information provided by customer, the whitelist URLs and IP address. The setup in DataManger is already in force before this documentation, this is only general reference. Customer will notify direct to and maintained by Sales and Service Manager, including Customer Whitelist list, Customer allowed Business IP and Customer Firewall Summary.

# Excluded Configuration

* Setup up of crew accounts or assignment of credit and related operational tasks are not included in the configuration service
* Configuration of onboard equipment and network clients, like existing telephones or services is not included in the configuration service
* The customer has to ensure that the onboard network and clients are configured accordingly prior to the visit of the field engineer on board

# Configuration acknowledged

Not applicable.

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (Signature, Date) | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (Signature, Date) |
| Marlink AS  Name:  Sales Account Manager | Customer Name:  Role: |
| Address: | Address: |
|  |  |