

An aerial Synthetic Aperture Radar (SAR) image of a city. The image shows a grid of streets and buildings. A prominent feature is a large area of circular patterns, likely representing a large-scale construction project or a specific urban layout. The image is rendered in grayscale with some color highlights, possibly indicating different surface textures or materials.

# ONE TASKING

GeoStore User Guide

 **ONE PLAN**

for TerraSAR-X now available

12 June, 2018

**AIRBUS**

# Access to the TerraSAR-X OnePlan

For the time being only visible for customers who have been explicitly granted access to it

The screenshot displays the Airbus TerraSAR-X OneTasking web interface. The main map shows a red polygon defining an Area of Interest (AoI) over the Bodensee region. The left sidebar contains the 'ONE TASKING' panel with the following options:

- ONE DAY**: Choose your acquisition day
- ONE NOW**: Access useful information in an instant
- ONE PLAN**: Obtain qualified coverage within an agreed timeframe
- ONE SERIES**: Get coverage on a regular basis. This option is highlighted with a red box and includes the text "Extended to TerraSAR-X sensor!".

Below the panel, a note states: "Please inform me as soon as an image matching my requirements is acquired over my Area Of Interest (AoI)". The top navigation bar includes the Airbus logo, "DEFENCE AND SPACE", "Emergency service", language settings, and user information.

What to do?

Draw your AoI, then the OneTasking panel incl. "OnePlan *Extended to TerraSAR-X sensor will*" be displayed

# One PlanPanel

The screenshot displays the Airbus One Tasking interface. At the top, the Airbus logo and 'DEFENCE AND SPACE' are visible. Below this, there is a search bar with a magnifying glass icon and a 'ZOOM TO LOCATION' button. To the right, there are filter buttons for 'Products' and 'Criteria'. The main area is titled 'ONE TASKING' and contains a 'Back' button. Below the title, the 'ONE PLAN' logo is shown, followed by a toggle switch for 'Standard' (selected) and 'Custom'. A 'Sensor' dropdown menu is open, showing options: 'Please select your sensor ...', 'Pléiades', 'SPOT', and 'TerraSAR-X' (highlighted by a mouse cursor).

The **Standard/Custom** switch is set to “Standard” by default.

Note :

Given that Aol restrictions depend on the selected Image mode, no message related to an invalid Aol is displayed at this point (as opposed to what’s currently implemented for optical products).

**Min surface** : 5 km<sup>2</sup>  
**Max surface** :  
100 km<sup>2</sup> for ST HS SL  
4.000 km<sup>2</sup> for SM  
30.000 km<sup>2</sup> for SC  
80.000 km<sup>2</sup> for WS

# Programming Criteria

The screenshot displays the Airbus Defence and Space ONE TASKING interface. At the top, the Airbus logo and 'DEFENCE AND SPACE' are visible. Below the header, there is a search bar and a 'ZOOM TO LOCATION' button. A 'FILTERS' section contains 'Products' and 'Criteria' buttons. The main content area is titled 'ONE TASKING' and includes a 'Back' button. Below this is the 'ONE PLAN' configuration screen, which has a 'Standard' radio button selected over a 'Custom' one. A red box highlights the 'Criteria' section, which includes a 'Sensor' dropdown menu set to 'TerraSAR-X', a 'Criteria' section header, and two date input fields: 'start date' (2017-08-22) and 'end date' (2017-09-02). Below the date fields is an 'Application Group' dropdown menu, which is currently empty. A note below the dropdown reads: 'Please select your application and associated scenario to visualize the best offer available'.

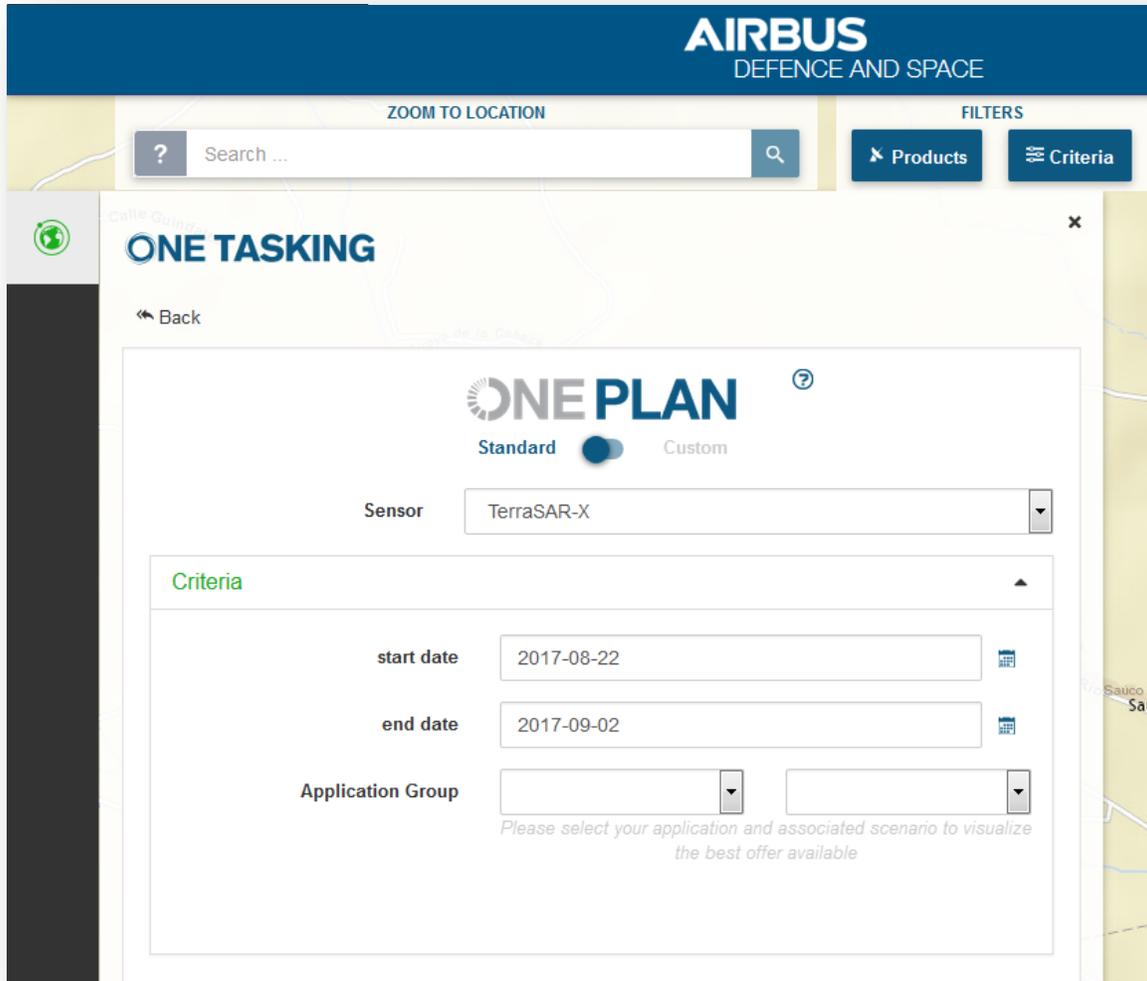
**Programming criteria** shown:

- Acquisition period (start/end dates)
- Application Group

Note :

Once an “Application Group” is selected, the form is automatically extended to specify a 2<sup>nd</sup> set of programming criteria

# Programming Criteria



The screenshot displays the Airbus Defence and Space ONE TASKING interface. At the top, the Airbus logo and "DEFENCE AND SPACE" are visible. Below the header, there is a search bar with a magnifying glass icon and a "ZOOM TO LOCATION" button. To the right, there are "FILTERS" buttons for "Products" and "Criteria". The main content area is titled "ONE TASKING" and includes a "Back" button. Below this, the "ONE PLAN" section is active, with a toggle switch set to "Standard" (the "Custom" option is also visible). The "Sensor" dropdown menu is set to "TerraSAR-X". Under the "Criteria" section, there are two date input fields: "start date" with the value "2017-08-22" and "end date" with the value "2017-09-02". Below these are two empty dropdown menus for "Application Group". A note at the bottom of the criteria section reads: "Please select your application and associated scenario to visualize the best offer available".

The **“Application Group”** has no default value selected.

However, once an application addresses several scenarios, it is recommended to choose one such as “Maritime Monitoring” + “Ship detection (Open Water)”.

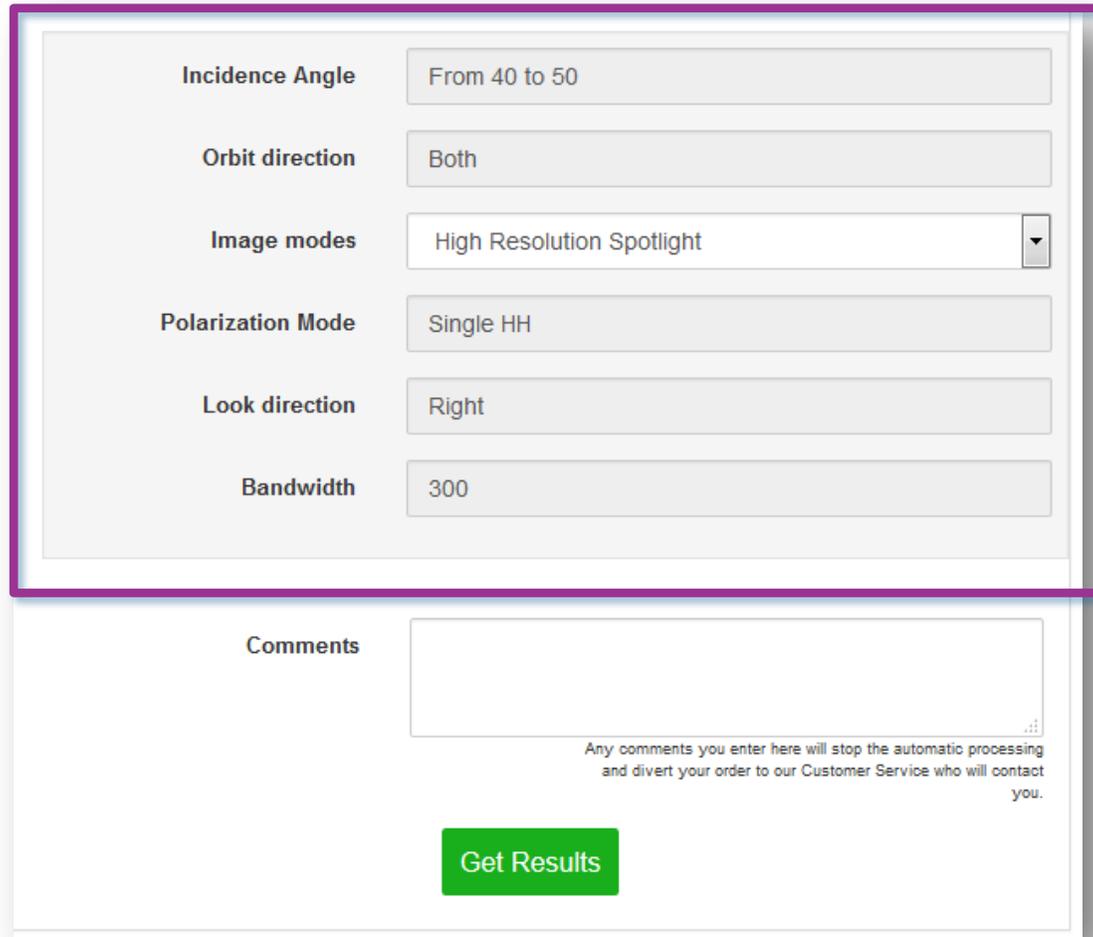
Note :

In “Custom” mode, an additional application group is available: “Others”

# Overview “Application Group”, “Scenarios” & “Modes”

Application	Scenarios	Purpose	Standard	Custom
Geospatial Image Intelligence	-	Defence & Security	x	x
Maritime Monitoring	Ship detection (Shore)	Maritime Services	x	x
	Ship detection (Open Water)		x	x
	Oil Spill detection		x	x
	Sea Ice Information		x	x
	Secondary sea ice information		x	x
	Icebergs		x	x
Topographic Mapping	-	Mapping	x	x
Environmental Mapping	Agriculture	Agriculture	x	x
	Forestry	Forestry	x	x
Others	-	Others		x

# Additional Programming Criteria



Incidence Angle	From 40 to 50
Orbit direction	Both
Image modes	High Resolution Spotlight
Polarization Mode	Single HH
Look direction	Right
Bandwidth	300

Comments

Any comments you enter here will stop the automatic processing and divert your order to our Customer Service who will contact you.

**Get Results**

Once an “Application Group” and “Scenario” is selected, further **programming criteria** can be entered.

Availability of menu items will depend on the mode, application group and scenario chosen

In case only one criteria is reasonable, other options are disabled and greyed out.

# Additional Programming Criteria

The screenshot displays a web-based configuration interface for TerraSAR-X. It features several input fields for programming criteria:

- Incidence Angle:** From 40 to 50
- Orbit direction:** Both
- Image modes:** High Resolution Spotlight (dropdown menu)
- Polarization Mode:** Single HH
- Look direction:** Right
- Bandwidth:** 300

The **Comments** field is highlighted with a purple border. It is a large text area with a small icon in the bottom right corner. Below the text area, a note reads: "Any comments you enter here will stop the automatic processing and divert your order to our Customer Service who will contact you." Below the comments field is a green button labeled "Get Results".

**Comments field:** A free text field allows the customer to comment on his order. However, once a comment is entered the order will not be processed automatically anymore but will be processed by the TerraSAR-X Customer Service.

**Note:**

- Entering a comment here does only affect the TerraSAR-X tasking process.
- If the customer wants to submit a mixed order, i.e. in combination with optical archive products for example, the optical images will still be delivered automatically.

# Additional Programming Criteria

The screenshot shows a web form with the following fields and values:

- Incidence Angle:** From 40 to 50
- Orbit direction:** Both
- Image modes:** High Resolution Spotlight
- Polarization Mode:** Single HH
- Look direction:** Right
- Bandwidth:** 300
- Comments:** (Empty text area)

Below the comments field, there is a warning: "Any comments you enter here will stop the automatic processing and divert your order to our Customer Service who will contact you."

A green button labeled "Get Results" is located at the bottom of the form, highlighted with a purple and blue border.

Once the programming criteria have been defined, the customer submits a search for tasking opportunities by clicking on **“Get Results”**.

# Tasking Results

**ONE PLAN** Standard Custom

Sensor: TerraSAR-X

**Criteria**

**Results**

Number of results: 2

**TerraSAR-X - Aug 28, 2017 8:00:40 AM ( UTC )**  
 Img Mode Staring Spotlight | Orbit number 139 | Orbit Direction DESCENDING | Inc. Angle 39.7° - 40.1°

**TerraSAR-X - Aug 28, 2017 8:00:41 AM ( UTC )**  
 Img Mode Staring Spotlight | Orbit number 139 | Orbit Direction DESCENDING | Inc. Angle 39.7° - 40.1°

Add to the basket

**Available tasking opportunities** appear then in an expandable “Results” panel while the “Criteria” panel has been collapsed.

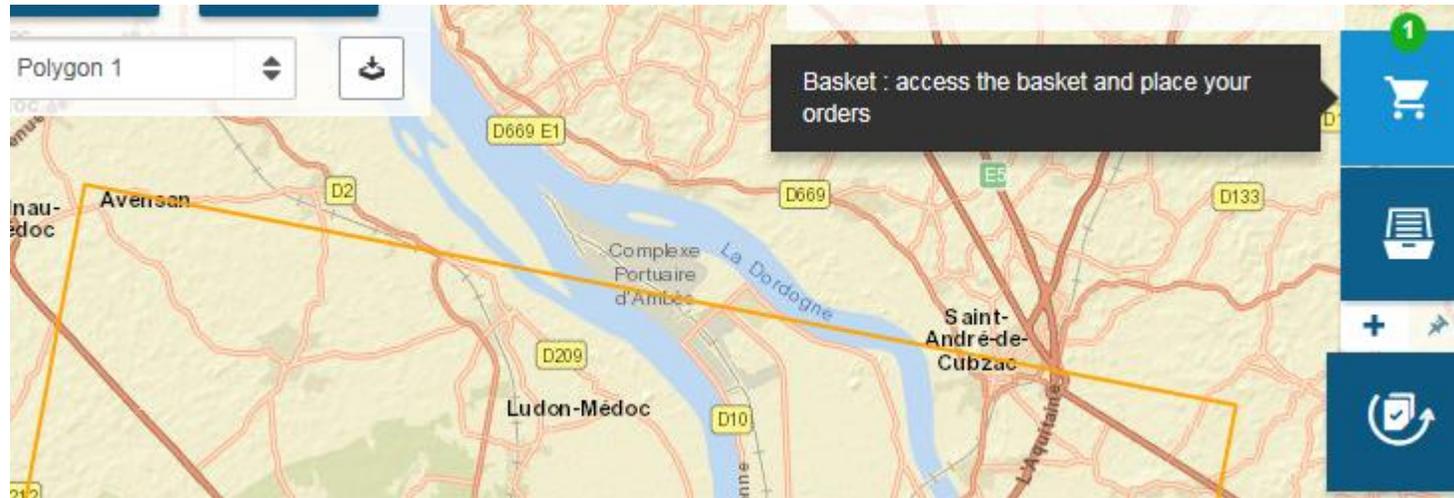
The number of results displayed is limited to 20.

For each result GeoStore displays:

- Product name
- Acquisition date and time
- Image mode
- Orbit number
- Orbit direction
- Incidence angle

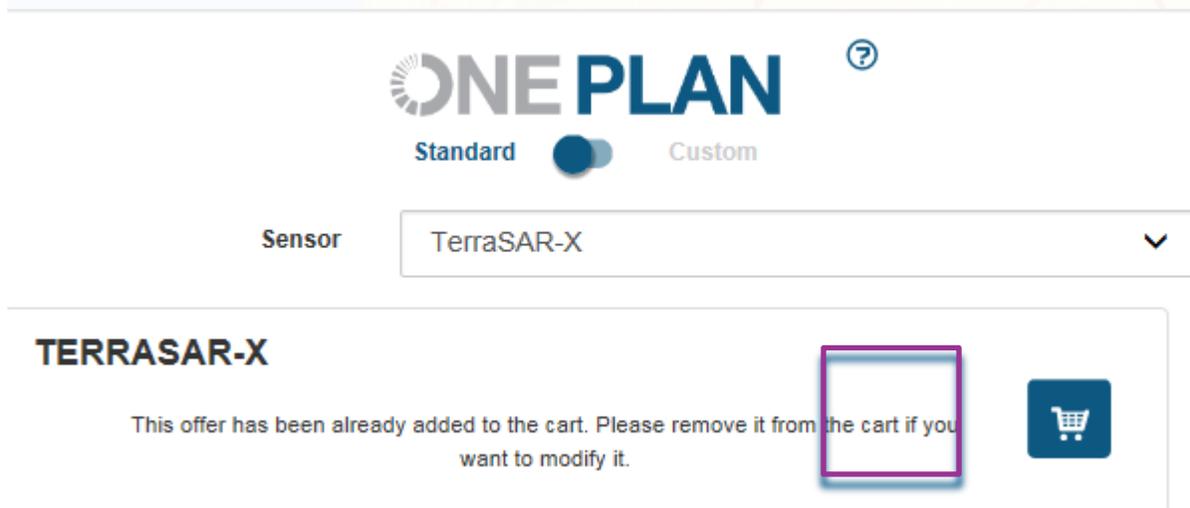
The customer has then to choose the most suitable acquisition and to add it to the “basket” by clicking on the shopping cart symbol.

# Basket Access & Order Placement

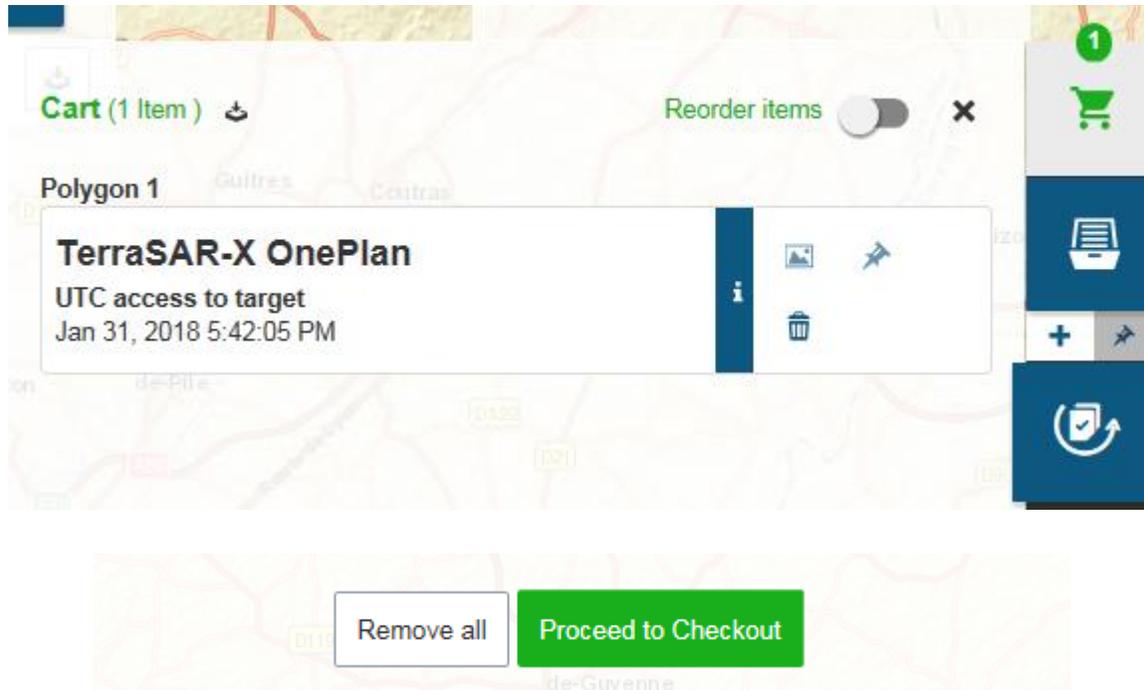


For accessing the basket and placing the order, the customers clicks on the “shopping cart” symbol top right

In case the customer wants to modify his order he needs to click on the shopping cart symbol on the left hand side in the “OnePlan” panel.



# Order Items & Checkout



GeoStore provides a final overview of the shopping cart content and provides a functions to reorder shop cart items if more than one.

The “reorder” functionality will change the stacking order of the images in the map section.

For continuing with the order the customer clicks on

**“Proceed to Checkout”**

# Checkout: Options

[Back to map](#)


Options



Delivery &amp; Payment



Confirmation

## Checkout

Total cost: €2,950.00

[✓ Proceed >](#)

### Global Order Options

Delivery mode

FTP

[✎ Modify](#)

### TerraSAR-X OnePlan

Price €2,950.00

Invoiced Surface: 1,083 km<sup>2</sup>
[Hide details ▲](#)

Processing level	Enhanced Ellipsoid Corrected (EEC)
Resolution variant	Spatially Enhanced
Orbit precision	Science Orbit
License	TerraSAR-X Single User License

### Polygon 1 (1,083 km<sup>2</sup>)

UTC access to target Jan 31, 2018 5:42:05 PM

Image mode StripMap

Orbit number 10

Orbit direction Ascending

Incidence angle 19.7° - 23.1°

Polarization mode Single HH

[✎ Modify](#)

Total cost: €2,950.00

[✓ Proceed >](#)

At the “Checkout” the total cost of the order is displayed and the customer has the opportunity to specify the delivery mode (ftp or media) and product parameters (processing level, resolution variant, orbit precision & license), respectively. Note that the option to change product parameters will depend on the application group, scenario and mode chosen.

# Checkout: Delivery & Payment



## Checkout

Total cost: €2,950.00

✓ Proceed >

### Please provide a name for this order.

Choose a reference name (such as an internal project number).

Name \*

### Specify your market

Primary Market

Secondary Market

### Please provide your delivery information.

#### Payment

#### Purchase order

#### Available purchase order(s)

#### Voucher

Submit

Validity

Amount

Currency

Total cost: €2,950.00

✓ Proceed >

At this stage the customer enters a **reference name for his order** and specifies the **market relevant** to his business.

A postal address of the customer is required.

Then, the **payment method** has to be chosen and, if applicable, a voucher code to be entered.

# Checkout: Confirmation

Back to map

●  
Options

●  
Delivery & Payment

○  
Confirmation

## Checkout

Total cost: **€2,950.00** Print

### Global Order Options

<b>Order reference</b>	MyOrder - 26 January 2018
<b>Delivery mode</b>	FTP
<b>Payment method</b>	Purchase order TSX_TASKING_TESTGeoStore_Business
<b>Delivery to</b>	Marc Müller 5 rue des Satellites BP 14359 31300 Toulouse Cedex 4 France marc.m.mueller@airbus.com

TerraSAR-X OnePlan
Price €2,950.00
Invoiced Surface: 1,083 km<sup>2</sup>

<b>Processing level</b>	Enhanced Ellipsoid Corrected (EEC)	<b>Polygon 1 (1,083 km<sup>2</sup>)</b>  <b>UTC access to target</b> Jan 31, 2018 5:42:05 PM <b>Image mode</b> StripMap <b>Orbit number</b> 10 <b>Orbit direction</b> Ascending <b>Incidence angle</b> 19.7° - 23.1° <b>Polarization mode</b> Single HH
<b>Resolution variant</b>	Spatially Enhanced	
<b>Orbit precision</b>	Science Orbit	
<b>License</b>	TerraSAR-X Single User License	

**Product License**

TerraSAR-X OnePlan
TerraSAR-X Single User License
Read

I hereby accept the license(s) of the product(s) selected for this order.

[I hereby accept the terms and conditions applicable to this order.](#)

Total cost: **€2,950.00**

Print
Validate the order >

The **final step of the checkout** process provides the customer with an overview of his order and the option to print it for his reference.

Before validating the order, the customer can read the product license and is asked to accept the license and the T&C applicable to the product.

Once the order has been submitted (validated) by the customer, an order confirmation e-mail will be sent automatically by GeoStore.



Thank you for using GeoStore  
to order TerraSAR-X!

**ONE PLAN**  
for TerraSAR-X now available

**AIRBUS**