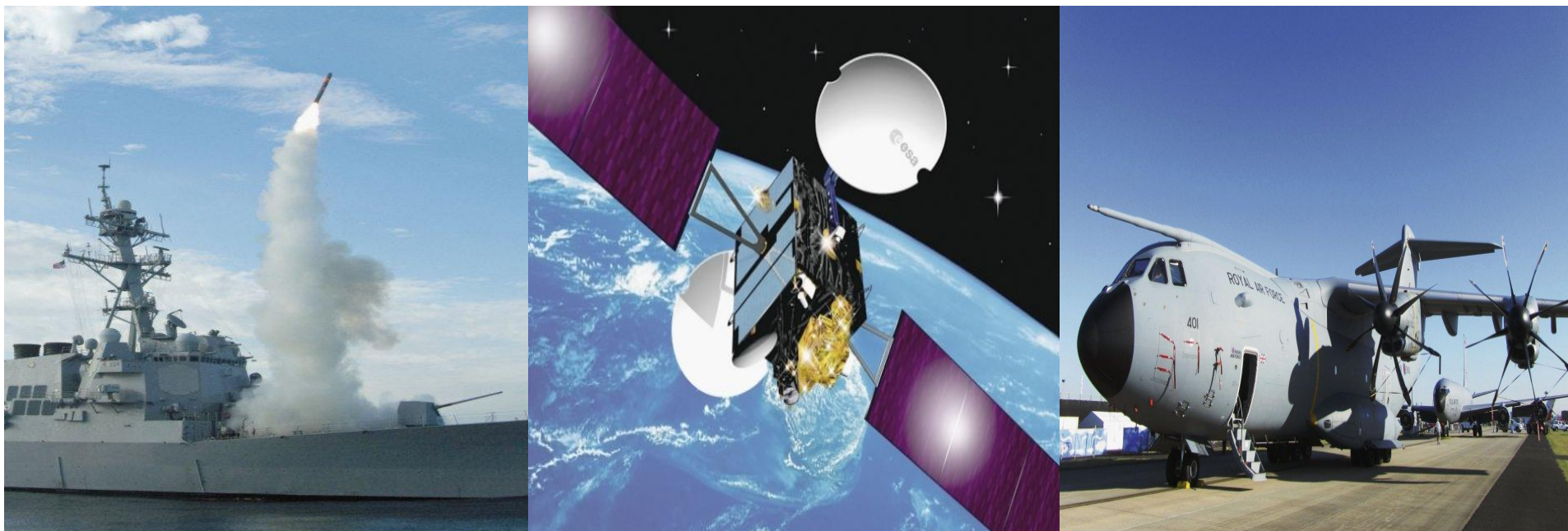


# 简氏（Jane's）军事装备与技术情报中心使用说明



CINFO-现代信息

2022年1月

# 目录

## 1. Jane's数据库介绍

1.1 Jane's信息集团简介

1.2 Jane's数据库特点

1.3 Jane's数据库包含领域

## 2. Jane's军事装备与技术情报中心使用说明

# 1. Jane's数据库介绍

## 1.1 Jane's信息集团简介

Jane's信息集团成立于1898年，由原简氏出版公司、防务市场服务公司(DMS)和国际航空有限公司 (ISA) 三个情报公司组成，总部设在英国伦敦。用户遍及180个以上国家与地区的军事机构、跨国公司、政府部门与高等院校等。是目前世界上最大的防务、宇航和运输方面的情报机构和出版商，向用户提供上述领域内内容广泛的情报产品和分析服务。

Jane's信息集团提供的产品与服务包括：每日通报、每月通报、周刊和月刊性杂志、简氏年鉴、DMS市场情报报告、市场研究、预测、数据库等。

Jane's信息集团凭借100多年的宝贵经验，不断推出和完善自身产品，在业内享有很高声誉，为国防工业、市场和客户提供着无与伦比的知识服务。

# 1. Jane's数据库介绍

## 1.1 Jane's信息集团简介

- **成立时间：**1898年
- **创始人：**弗雷德里克·托马斯·简 (Fred T. Jane, 1865-1916 )
- **第一本刊物：**《简氏全球军舰》 (Jane's All the World's Fighting Ships)  
(现名称：《简氏军舰》 Jane's Fighting Ships)
- **知名出版物：**《简氏防务周刊》 (Jane's Defence Weekly)  
《简氏全球航空器》 (Jane's All the World's Aircraft)  
《简氏国际防务评论》 (International Defence Review)
- **行业标签：**信息服务、顶级智库
- **访问网址：**<http://janes.cinfo.net.cn/>

# 1. Jane's数据库介绍

## 1.2 Jane' s数据库特点

### 1、权威性

其报告均来源于本领域的资深专家，更有许多是来自许多国家在任的政府部门高级职员。但100%做到绝不泄密。

### 2、公正性

Jane' s的报告站在公正、客观的角度，分析各个国家和地区面临的国家安全与风险。

### 3、深入性

由于撰稿专家来自权威部门和权威专家，因此，才有可能将事件进行深入分析。

### 4、广泛运用

各个国家和地区的智库、政府部门、学术机构均把Jane 's数据库作为最为深入研究、分析当前国际问题的最权威信息源。在我国，中国现代国际关系研究院把Jane' s数据库列为最重要资源之一。

# 1. Jane's数据库介绍

简氏——期刊、杂志、年鉴





# 1. Jane's数据库介绍

## 简氏——报告



### Space Systems - United States Space Command (USSPACECOM)

Date Posted: 07-Apr-2021



### New space race: China advances its space capabilities for future warfare

Date Posted: 13-Apr-2021

Author: Pat Host, Washington, DC

Publication: Jane's Defence Weekly

China is investing in capabilities such as space solar power; counterspace systems; positioning, navigation, and timing systems; and launch vehicles to enable it to conduct future operations in space against countries such as the

### Great power competition in the Arctic

Date Posted: 08-Apr-2021

Publication: Intelligence

As the polar ice mass a  
ice is leading to increas  
vessels



### Sighting and Targeting - Modular Laser Rangefinder/Designator

Date Posted: 15-Apr-2021

Publication: C4ISR & Mission Systems: Land

UPDATED

#### Contents

Key facts

Modular

Status

Description

Features

Specifications

# 1. Jane's数据库介绍

## 简氏——报告——特点

Reports:

- 独家的权威专家撰写的评述（**Comment**）与分析（**Analysis**）
- 汇集全球专业领域最资深专家的学术研究成果
- 内容详尽，措词严谨，反复论证
- 内附大量相关图片与照片
- 报告内附有大量参考链接（**Related Links**），可供参考相关主题内容
- 报告内容不断更新（**Key: Green = updated content**）
- 同时提供**PDF**和**WORD**两种格式用于下载
- 支持在线打印



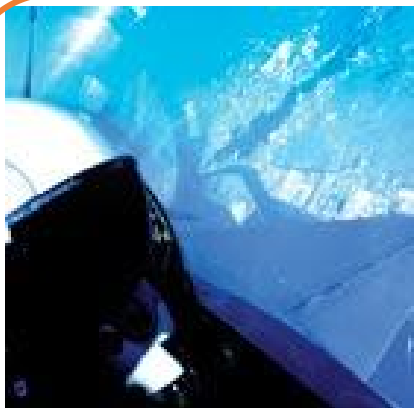
# 1. Jane's数据库介绍

## 简氏——图片、照片



# 1. Jane's数据库介绍

## 1.3 Jane's数据库包含领域



### 军事装备与技术

- 1、防务：空中与空间
- 2、防务：海上
- 3、防务：地面
- 4、防务：C4ISR与任务系统武器
- 5、防务：武器
- 6、防务：资讯



### 国家风险与军事能力

- 1、安全：国家风险
- 2、安全：军事能力评估
- 3、安全：资讯



### 恐怖主义与叛乱

- 1、国家简报
- 2、国际安全问题评析
- 3、突发事件报道
- 4、前瞻预测



### 交通系统

- 1、铁路
- 2、城市交通

# 1. Jane's数据库介绍

## 军事装备与技术

简氏军事装备与技术情报中心 (Defence Equipment & Technology Intelligence Centre, JDET)

- 简氏基于其最传统的军事内容整合并发展而成的数据库
- 资源来自简氏的海军、陆军和空军的军用装备与技术资料和各类参考信息
- 包含《简氏防务周刊》、《简氏国防工业》等优质内容资源，并收录有大量高分辨率的图片和图像
- 实时提供全球各个国家和地区的最新资料，每天新增内容1万条以上，每年信息量至少400万条并包括100万张图片及100万个表格等。
- 所有信息都是经过核实和验证的。由简氏独家采集和撰写，并且没有被收录在任何其他数据库中，是一部有关军事装备与情报的高级百科全书。



# 1. Jane's数据库介绍

## 军事装备与技术

简氏军事装备与技术情报中心 (Defence Equipment & Technology Intelligence Centre, JDET)

内容:

### 防务：空中与空间

- 航空发动机
- 全球飞机：开发与生产
- 全球飞机：在用飞行器
- 全球飞机：无人机
- 航天系统与工业

### 防务：C4ISR与任务系统武器

- 空中C4ISR与任务系统
- 联合常规装备C4ISR与任务系统
- 地面C4ISR与任务系统
- 海上C4ISR与任务系统
- 航空电子
- 模拟与训练系统

### 防务：海上

- 军舰
- 舰船推进系统
- 无人水上装备

### 防务：地面

- 核生化、放射性和加强型常规武器
- 地面战平台：装甲车
- 地面战平台：火炮与防空
- 地面战平台：物流、支援与无人车辆
- 地面战平台：火力、生存能力和机动性
- 地雷与爆炸军械处理操作手册
- 警务与国土安全装备

### 防务：武器

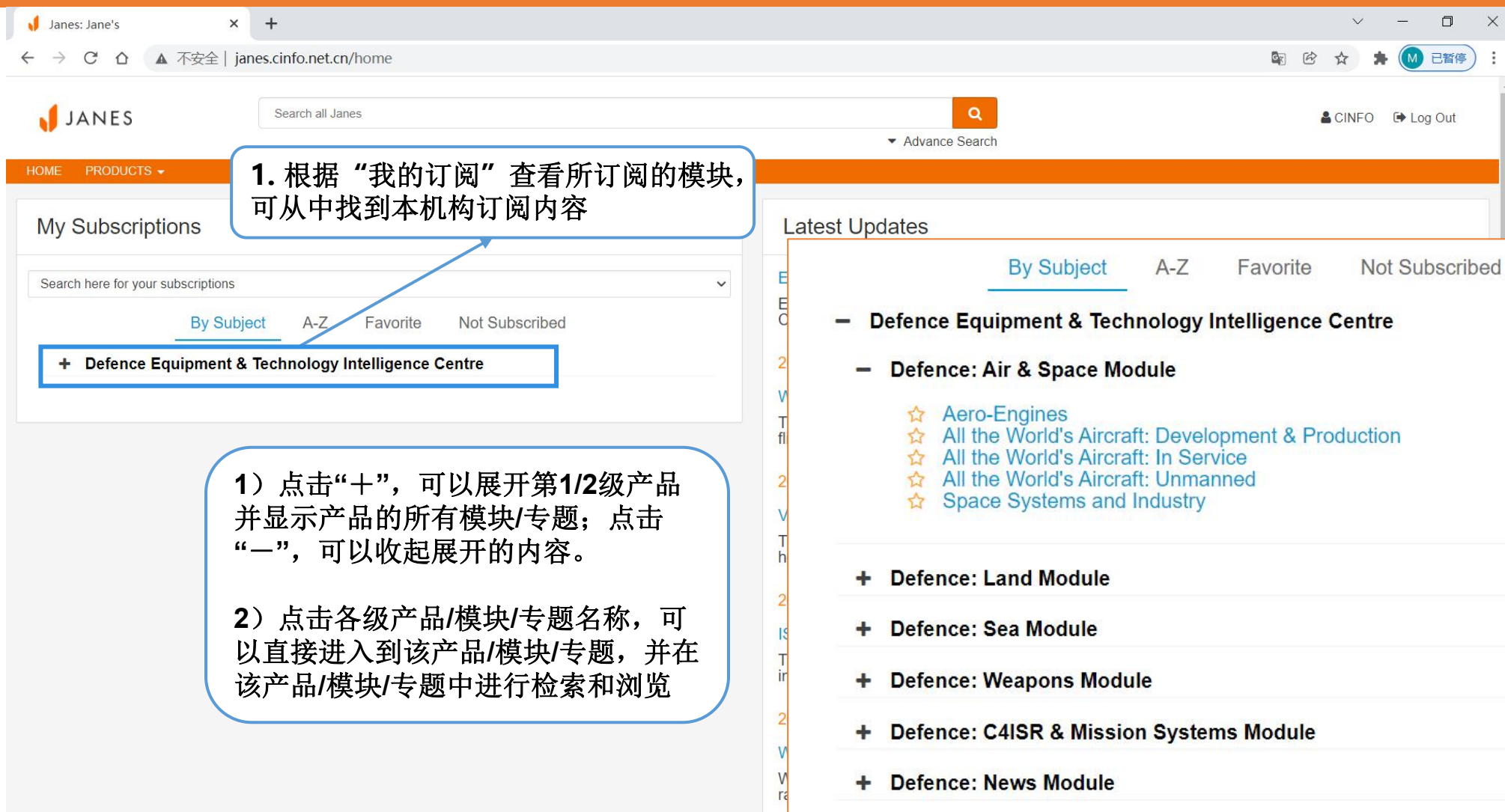
- 步兵武器
- 海军武器
- 空中武器
- 弹药武器
- 战略武器

### 防务：资讯

- 国防工业
- 防务周刊
- 国际国防评论
- 导弹和火箭
- 国际海军
- 防务洞察报告
- 情报简报

## 2. Jane's数据库使用指南

### 2.1 主页页面及功能-JDET



1. 根据“我的订阅”查看所订阅的模块，可从中找到本机构订阅内容

1) 点击“+”，可以展开第1/2级产品并显示产品的所有模块/专题；点击“-”，可以收起展开的内容。

2) 点击各级产品/模块/专题名称，可以直接进入到该产品/模块/专题，并在该产品/模块/专题中进行检索和浏览

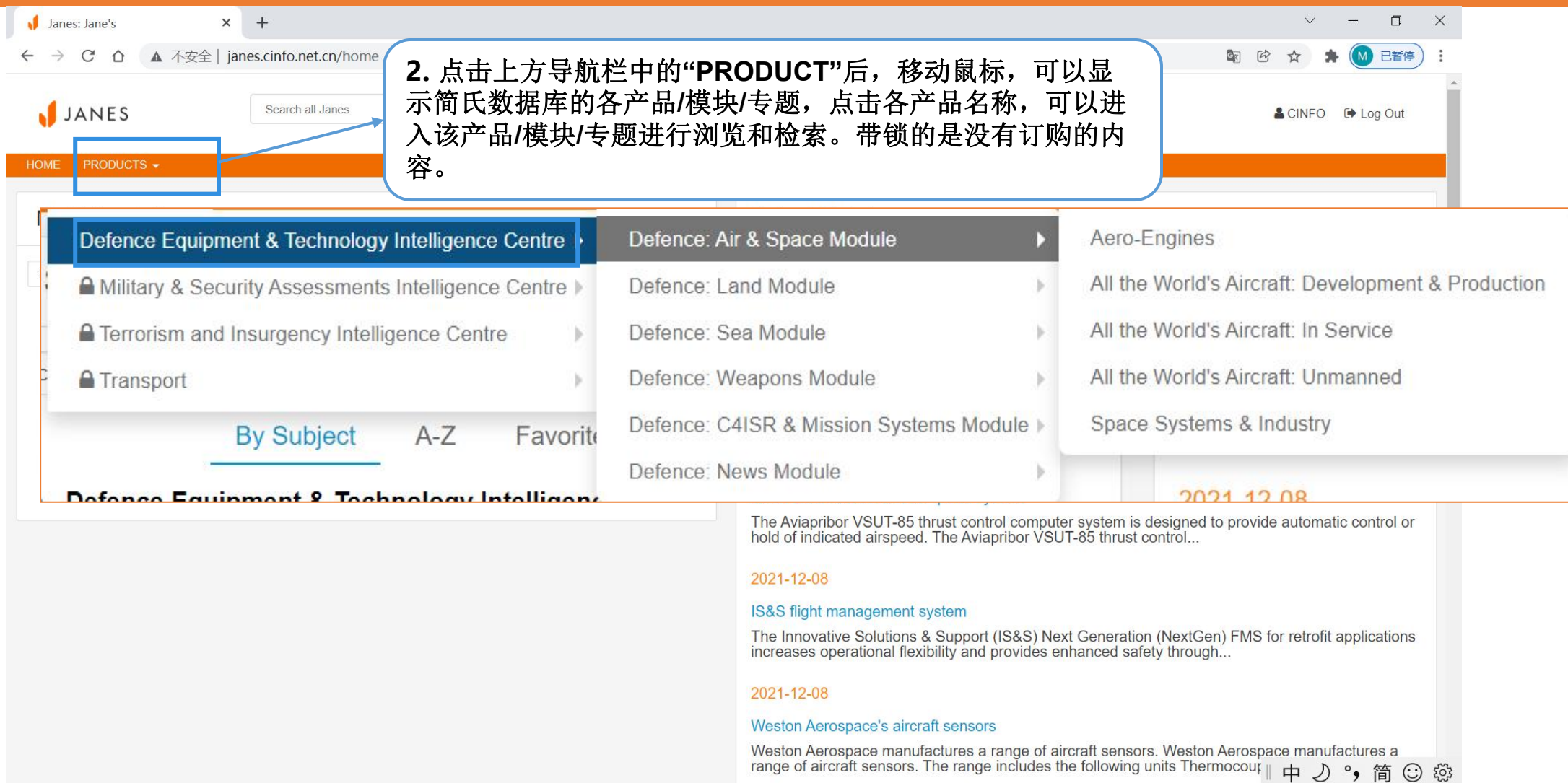
Latest Updates

By Subject A-Z Favorite Not Subscribed

- Defence Equipment & Technology Intelligence Centre
  - Defence: Air & Space Module
    - ☆ Aero-Engines
    - ☆ All the World's Aircraft: Development & Production
    - ☆ All the World's Aircraft: In Service
    - ☆ All the World's Aircraft: Unmanned
    - ☆ Space Systems and Industry
  - + Defence: Land Module
  - + Defence: Sea Module
  - + Defence: Weapons Module
  - + Defence: C4ISR & Mission Systems Module
  - + Defence: News Module

## 2. Jane's数据库使用指南

### 2.1 主页页面及功能-JDET



2. 点击上方导航栏中的“**PRODUCT**”后，移动鼠标，可以显示简氏数据库的各产品/模块/专题，点击各产品名称，可以进入该产品/模块/专题进行浏览和检索。带锁的是没有订购的内容。

The screenshot shows the Jane's website interface. The navigation bar includes 'HOME' and 'PRODUCTS'. The 'PRODUCTS' dropdown menu is open, displaying a list of categories and sub-categories. The 'Defence Equipment & Technology Intelligence Centre' is highlighted. Below it, a list of sub-categories is shown, including 'Defence: Air & Space Module', 'Defence: Land Module', 'Defence: Sea Module', 'Defence: Weapons Module', 'Defence: C4ISR & Mission Systems Module', and 'Defence: News Module'. The 'Defence: Air & Space Module' is further expanded, showing a list of specific products and topics, such as 'Aero-Engines', 'All the World's Aircraft: Development & Production', 'All the World's Aircraft: In Service', 'All the World's Aircraft: Unmanned', and 'Space Systems & Industry'. The date '2021-12-08' is displayed next to the first item in the list.

The Aviapribor VSUT-85 thrust control computer system is designed to provide automatic control or hold of indicated airspeed. The Aviapribor VSUT-85 thrust control...

2021-12-08

IS&S flight management system

The Innovative Solutions & Support (IS&S) Next Generation (NextGen) FMS for retrofit applications increases operational flexibility and provides enhanced safety through...

2021-12-08

Weston Aerospace's aircraft sensors

Weston Aerospace manufactures a range of aircraft sensors. Weston Aerospace manufactures a range of aircraft sensors. The range includes the following units Thermocou...



## 2. Jane's数据库使用指南

### 2.1 主页页面及功能-JDET

The screenshot shows the Jane's website homepage. The browser address bar displays 'janes.cinfo.net.cn/home'. The page features a search bar at the top with the text 'Search all Janes' and a 'Log Out' button. Below the search bar, there is a navigation bar with 'HOME' and 'PRODUCTS' links. The main content area is divided into two sections: 'My Subscriptions' on the left and 'Latest Updates' on the right. The 'My Subscriptions' section includes a search bar for subscriptions and a list of subscription categories, with 'Defence Equipment & Technology Intelligence Centre' selected. The 'Latest Updates' section, highlighted by a blue box, lists recent updates with dates and titles. A callout box with the text '可快速浏览所订阅模块的最新信息' (Can quickly browse the latest information of the subscribed modules) points to the 'Latest Updates' section.

My Subscriptions

Search here for your subscriptions

By Subject A-Z Favorite Not Subscribed

+ Defence Equipment & Technology Intelligence Centre

Latest Updates

**EuroNav 7**  
EuroAvionics EuroNav 7 is a digital map and SA system certified according to Radio Technical Commission for Aeronautics (RTCA)/DO-178B Level C (software) and RTCA/DO-254...

2021-12-08

**Warning and maintenance system for the A330 and A340**  
The A330 and A340 warning and maintenance system is composed of two major subsystems: the flight warning system (FWS) and the central maintenance system (CMS). The A330...

2021-12-08

**VSUT-85 thrust control computer system**  
The Aviapribor VSUT-85 thrust control computer system is designed to provide automatic control or hold of indicated airspeed. The Aviapribor VSUT-85 thrust control...

2021-12-08

**IS&S flight management system**  
The Innovative Solutions & Support (IS&S) Next Generation (NextGen) FMS for retrofit applications increases operational flexibility and provides enhanced safety through...

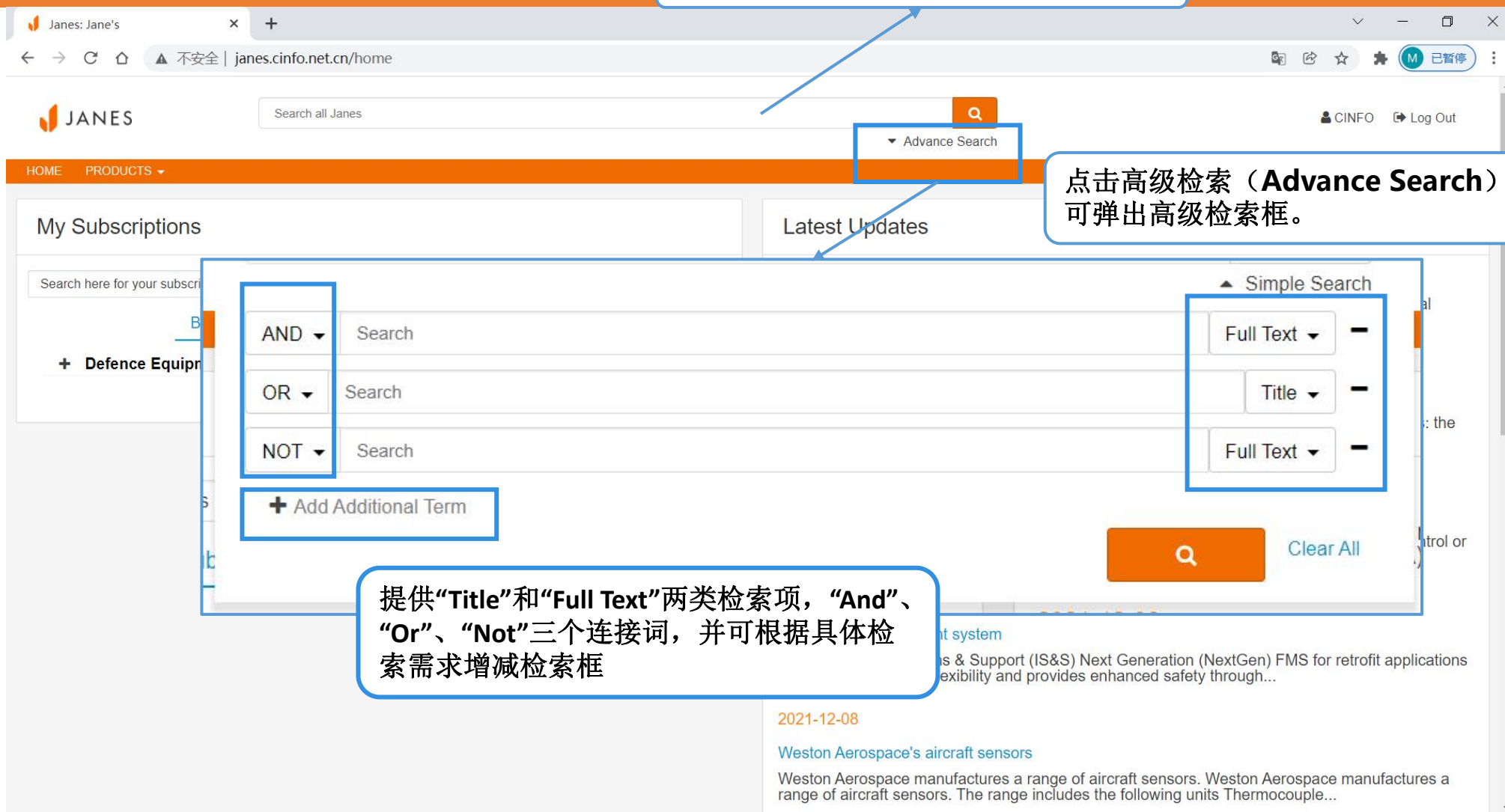
2021-12-08

**Weston Aerospace's aircraft sensors**  
Weston Aerospace manufactures a range of aircraft sensors. Weston Aerospace manufactures a range of aircraft sensors. The range includes the following units Thermocouple...

## 2. Jane's数据库使用指南

### 2.2 基本检索与高级检索-JDET

一站式检索框，可检索所有订阅内容



The screenshot shows the JANE's database search interface. The main search bar at the top is labeled "Search all Janes". Below it, there is a navigation bar with "HOME" and "PRODUCTS". The main content area is divided into "My Subscriptions" and "Latest Updates". The "My Subscriptions" section contains a search bar and a list of search results. The "Latest Updates" section contains a list of search results. The search interface includes a "Simple Search" section with dropdown menus for "Full Text" and "Title", and a "Search" button. The "Advanced Search" section is also visible, with a dropdown menu for "AND", "OR", and "NOT", and a "Search" button. The "Add Additional Term" button is also present.

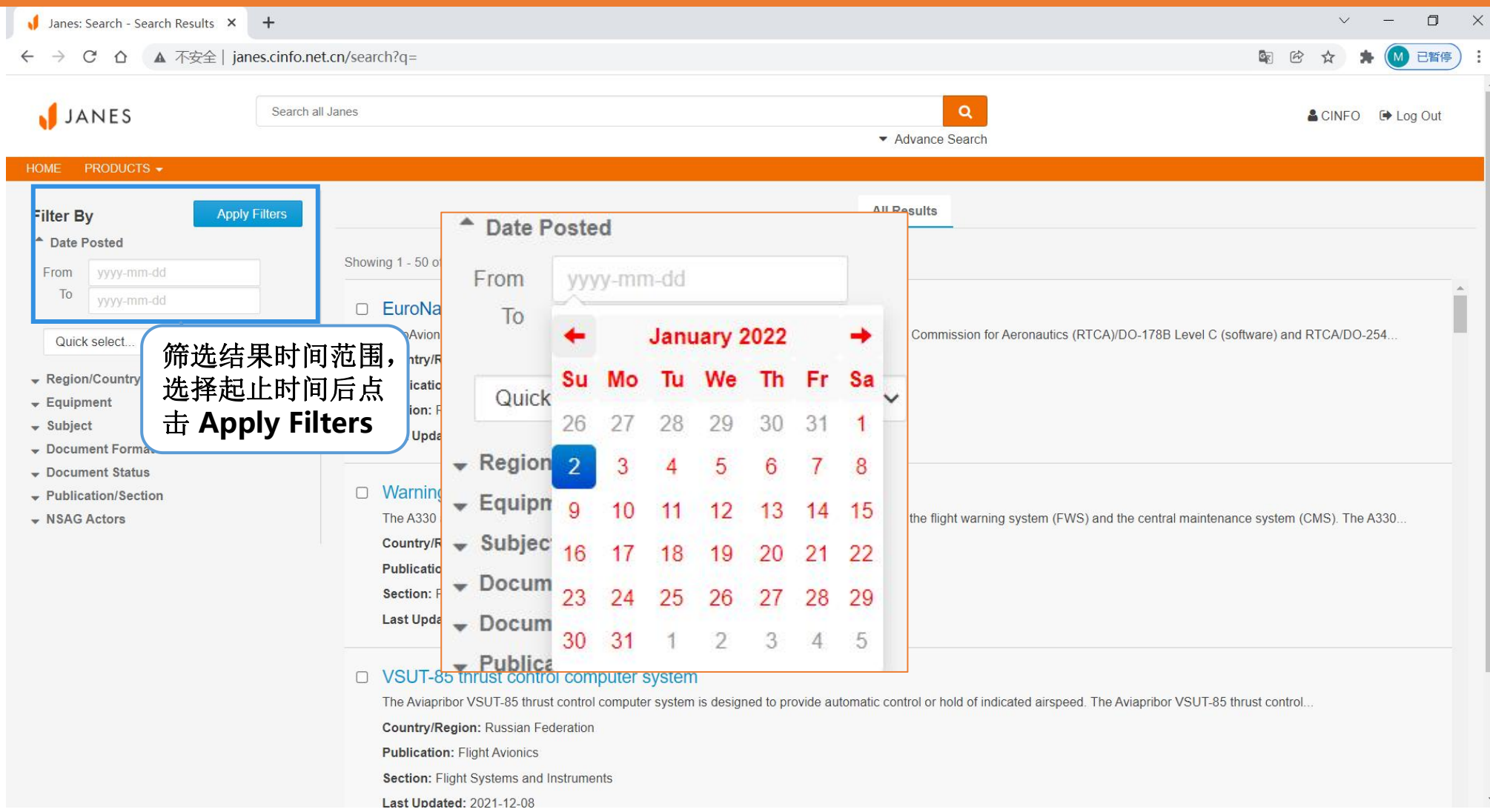
Click 高级检索 (Advance Search), 可弹出高级检索框。

提供“Title”和“Full Text”两类检索项，“And”、“Or”、“Not”三个连接词，并可根据具体检索需求增减检索框

2021-12-08  
[Weston Aerospace's aircraft sensors](#)  
 Weston Aerospace manufactures a range of aircraft sensors. Weston Aerospace manufactures a range of aircraft sensors. The range includes the following units Thermocouple...

## 2. Jane's数据库使用指南

### 2.3 检索结果页面及功能-JDET



The screenshot shows the Jane's database search results page. The browser address bar displays "janes.cinfo.net.cn/search?q=". The page header includes the JANES logo, a search bar, and a "Log Out" button. The main content area shows search results with filters on the left and a list of results on the right.

**Filter By**

- Date Posted**
  - From: yyyy-mm-dd
  - To: yyyy-mm-dd
- Region/Country**
- Equipment**
- Subject**
- Document Format**
- Document Status**
- Publication/Section**
- NSAG Actors**

**Apply Filters**

**Date Posted**

From: yyyy-mm-dd

To: yyyy-mm-dd

**Quick select...**

**Region/Country**

**Equipment**

**Subject**

**Document Format**

**Document Status**

**Publication/Section**

**NSAG Actors**

**Showing 1 - 50 of**

**VSUT-85 thrust control computer system**

The Aviapribor VSUT-85 thrust control computer system is designed to provide automatic control or hold of indicated airspeed. The Aviapribor VSUT-85 thrust control...

**Country/Region:** Russian Federation

**Publication:** Flight Avionics

**Section:** Flight Systems and Instruments

**Last Updated:** 2021-12-08

**Commission for Aeronautics (RTCA)/DO-178B Level C (software) and RTCA/DO-254...**

**the flight warning system (FWS) and the central maintenance system (CMS). The A330...**

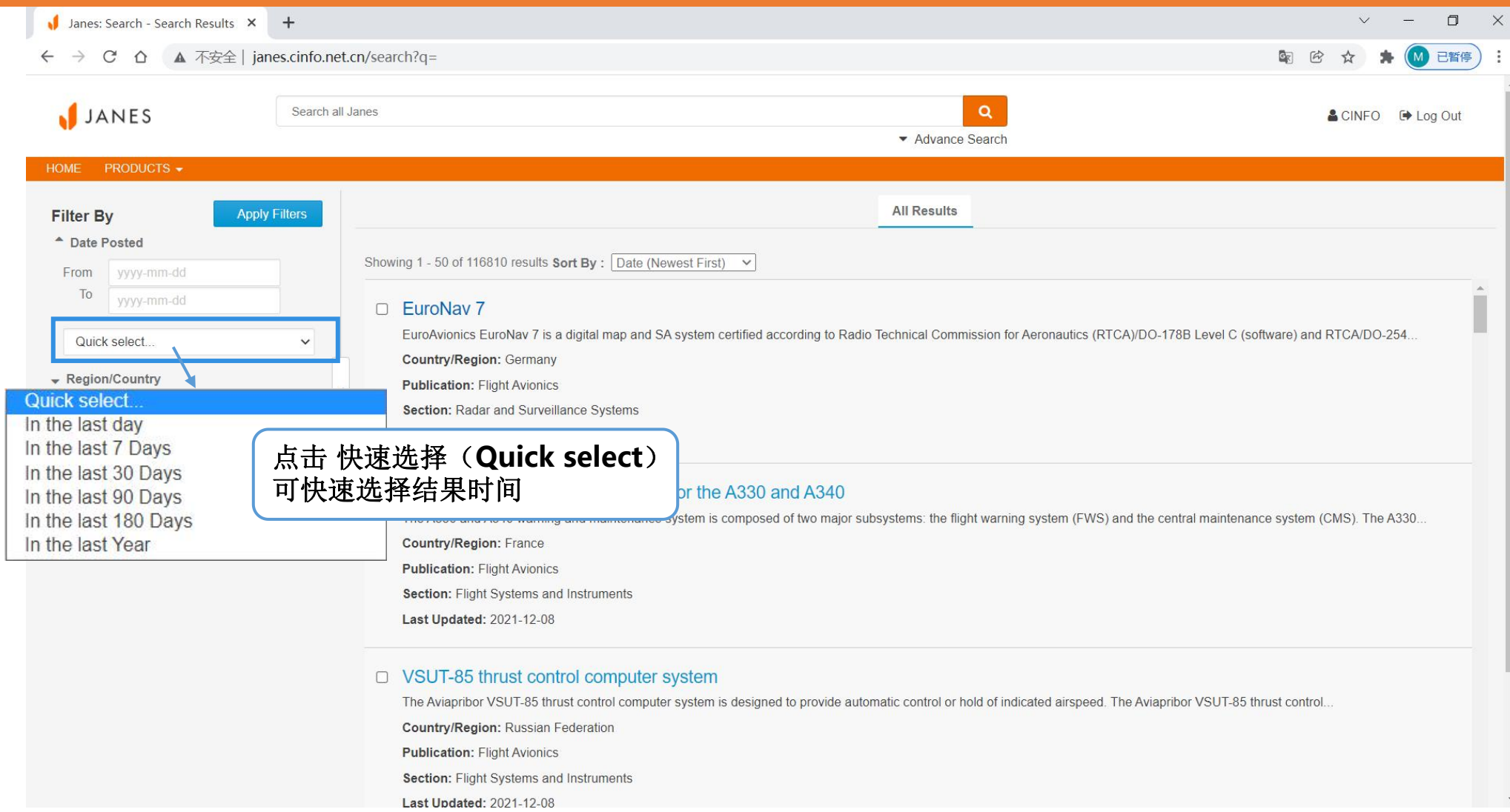
**January 2022**

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

筛选结果时间范围, 选择起止时间后点击 **Apply Filters**

## 2. Jane's数据库使用指南

### 2.3 检索结果页面及功能-JDET



The screenshot shows the Jane's database search results page. The browser address bar displays "janes.cinfo.net.cn/search?q=". The page header includes the JANES logo, a search bar, and user options like "CINFO" and "Log Out". A navigation bar shows "HOME" and "PRODUCTS".

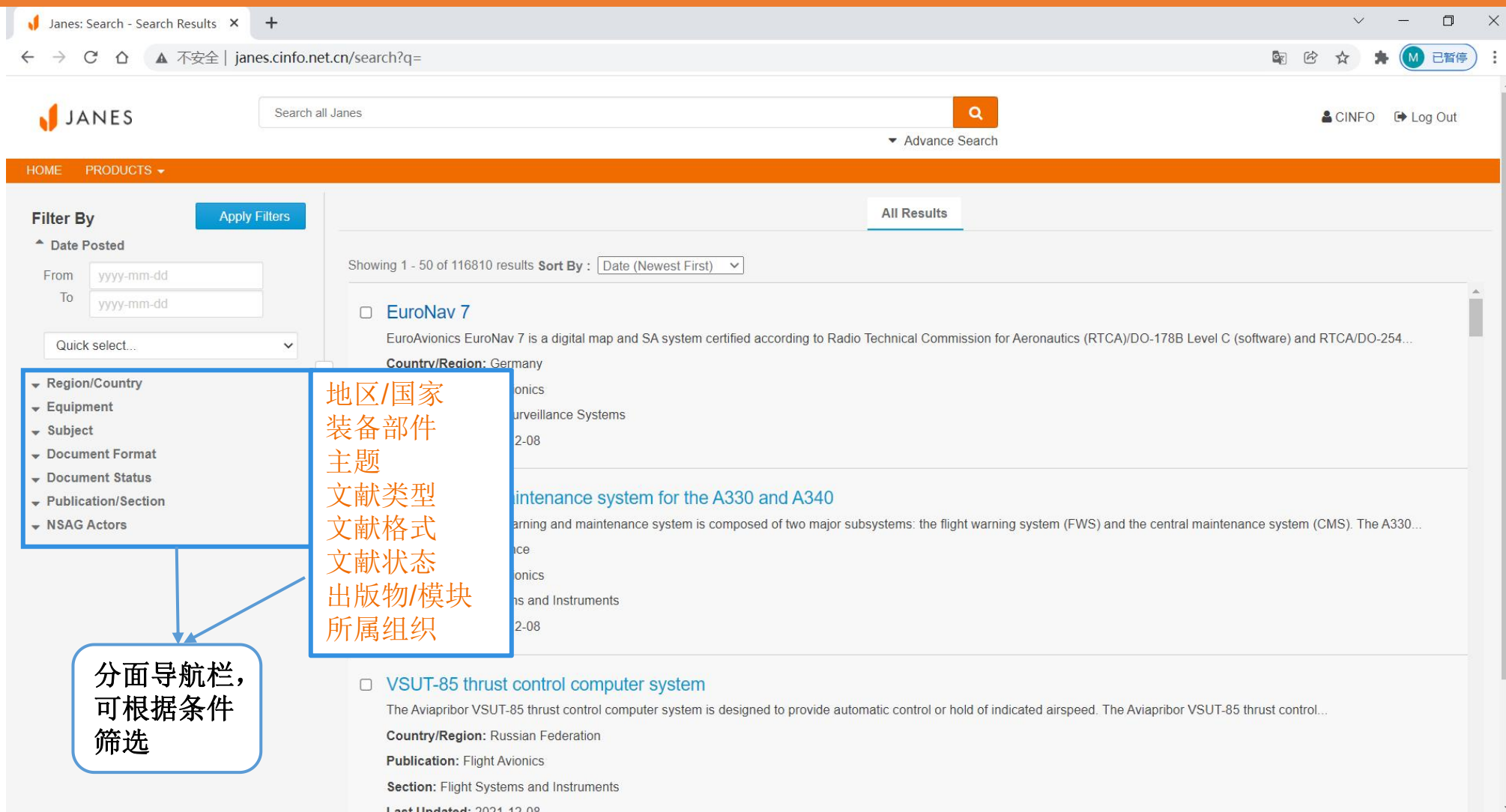
On the left, the "Filter By" section is expanded, showing "Date Posted" filters. A blue box highlights the "Quick select..." dropdown menu, which is annotated with a callout box stating: "点击 快速选择 (Quick select) 可快速选择结果时间" (Click Quick select (Quick select) to quickly select result time). The dropdown menu lists the following options:

- In the last day
- In the last 7 Days
- In the last 30 Days
- In the last 90 Days
- In the last 180 Days
- In the last Year

The main content area shows search results. The first result is "EuroNav 7", described as a digital map and SA system. The second result is "VSUT-85 thrust control computer system", described as a system for automatic control of indicated airspeed. Both results include details like "Country/Region", "Publication", "Section", and "Last Updated".

## 2. Jane's数据库使用指南

### 2.3 检索结果页面及功能-JDET



The screenshot shows the Jane's database search results page. The browser address bar displays "janes.cinfo.net.cn/search?q=". The page header includes the JANES logo, a search bar, and a "CINFO Log Out" link. The main navigation bar has "HOME" and "PRODUCTS" links. The left sidebar contains a "Filter By" section with various filters: Date Posted, Region/Country, Equipment, Subject, Document Format, Document Status, Publication/Section, and NSAG Actors. The main content area shows search results, including "EuroNav 7" and "VSUT-85 thrust control computer system".

**Filter By**

- Date Posted
  - From: yyyy-mm-dd
  - To: yyyy-mm-dd
  - Quick select...
- Region/Country
- Equipment
- Subject
- Document Format
- Document Status
- Publication/Section
- NSAG Actors

**Search Results**

Showing 1 - 50 of 116810 results Sort By: Date (Newest First)

**EuroNav 7**  
EuroAvionics EuroNav 7 is a digital map and SA system certified according to Radio Technical Commission for Aeronautics (RTCA)/DO-178B Level C (software) and RTCA/DO-254...  
Country/Region: Germany

**VSUT-85 thrust control computer system**  
The Aviapribor VSUT-85 thrust control computer system is designed to provide automatic control or hold of indicated airspeed. The Aviapribor VSUT-85 thrust control...  
Country/Region: Russian Federation  
Publication: Flight Avionics  
Section: Flight Systems and Instruments  
Last Updated: 2021-12-08

**Annotations:**

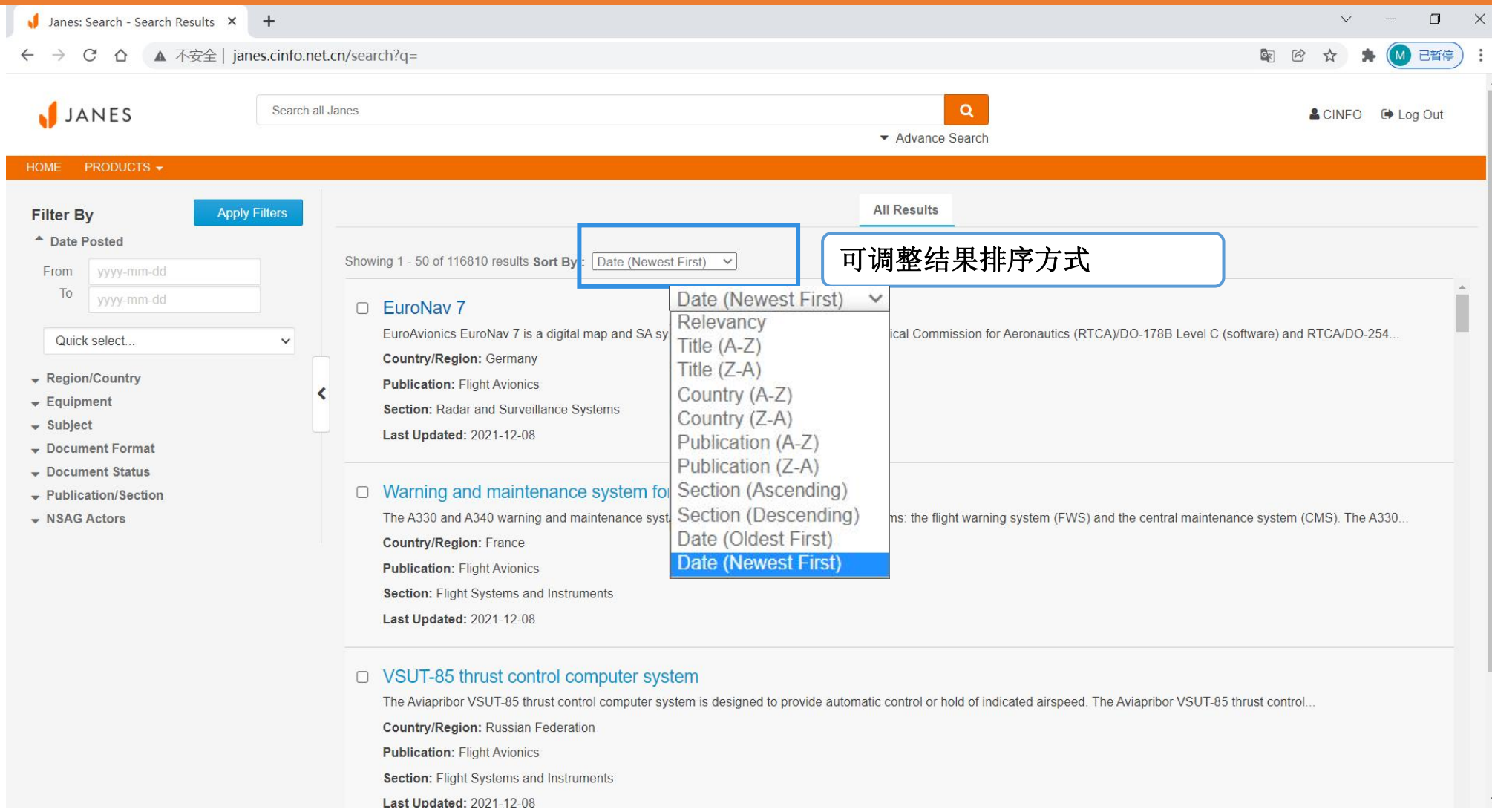
- 地区/国家
- 装备部件
- 主题
- 文献类型
- 文献格式
- 文献状态
- 出版物/模块
- 所属组织

分面导航栏, 可根据条件筛选



## 2. Jane's数据库使用指南

### 2.3 检索结果页面及功能-JDET



The screenshot displays the Jane's database search results page. The browser address bar shows the URL `janes.cinfo.net.cn/search?q=`. The page header includes the Jane's logo, a search bar, and user options like CINFO and Log Out. The main content area shows a list of search results, with the first two items highlighted: "EuroNav 7" and "Warning and maintenance system for A330-300". A dropdown menu is open, showing various sorting options: "Date (Newest First)", "Relevancy", "Title (A-Z)", "Title (Z-A)", "Country (A-Z)", "Country (Z-A)", "Publication (A-Z)", "Publication (Z-A)", "Section (Ascending)", "Section (Descending)", "Date (Oldest First)", and "Date (Newest First)". A blue box highlights the "Date (Newest First)" option, and a text box with the Chinese text "可调整结果排序方式" (Can adjust the result sorting method) points to the dropdown menu.

Filter By

Apply Filters

Date Posted

From yyyy-mm-dd

To yyyy-mm-dd

Quick select...

Region/Country

Equipment

Subject

Document Format

Document Status

Publication/Section

NSAG Actors

All Results

Showing 1 - 50 of 116810 results Sort By: Date (Newest First)

☐ EuroNav 7

EuroAvionics EuroNav 7 is a digital map and SA system for the European Commission for Aeronautics (RTCA)/DO-178B Level C (software) and RTCA/DO-254...

Country/Region: Germany

Publication: Flight Avionics

Section: Radar and Surveillance Systems

Last Updated: 2021-12-08

☐ Warning and maintenance system for A330-300

The A330 and A340 warning and maintenance system (WMS) is a critical component of the aircraft's safety system. It provides the flight warning system (FWS) and the central maintenance system (CMS). The A330...

Country/Region: France

Publication: Flight Avionics

Section: Flight Systems and Instruments

Last Updated: 2021-12-08

☐ VSUT-85 thrust control computer system

The Aviapribor VSUT-85 thrust control computer system is designed to provide automatic control or hold of indicated airspeed. The Aviapribor VSUT-85 thrust control...

Country/Region: Russian Federation

Publication: Flight Avionics

Section: Flight Systems and Instruments

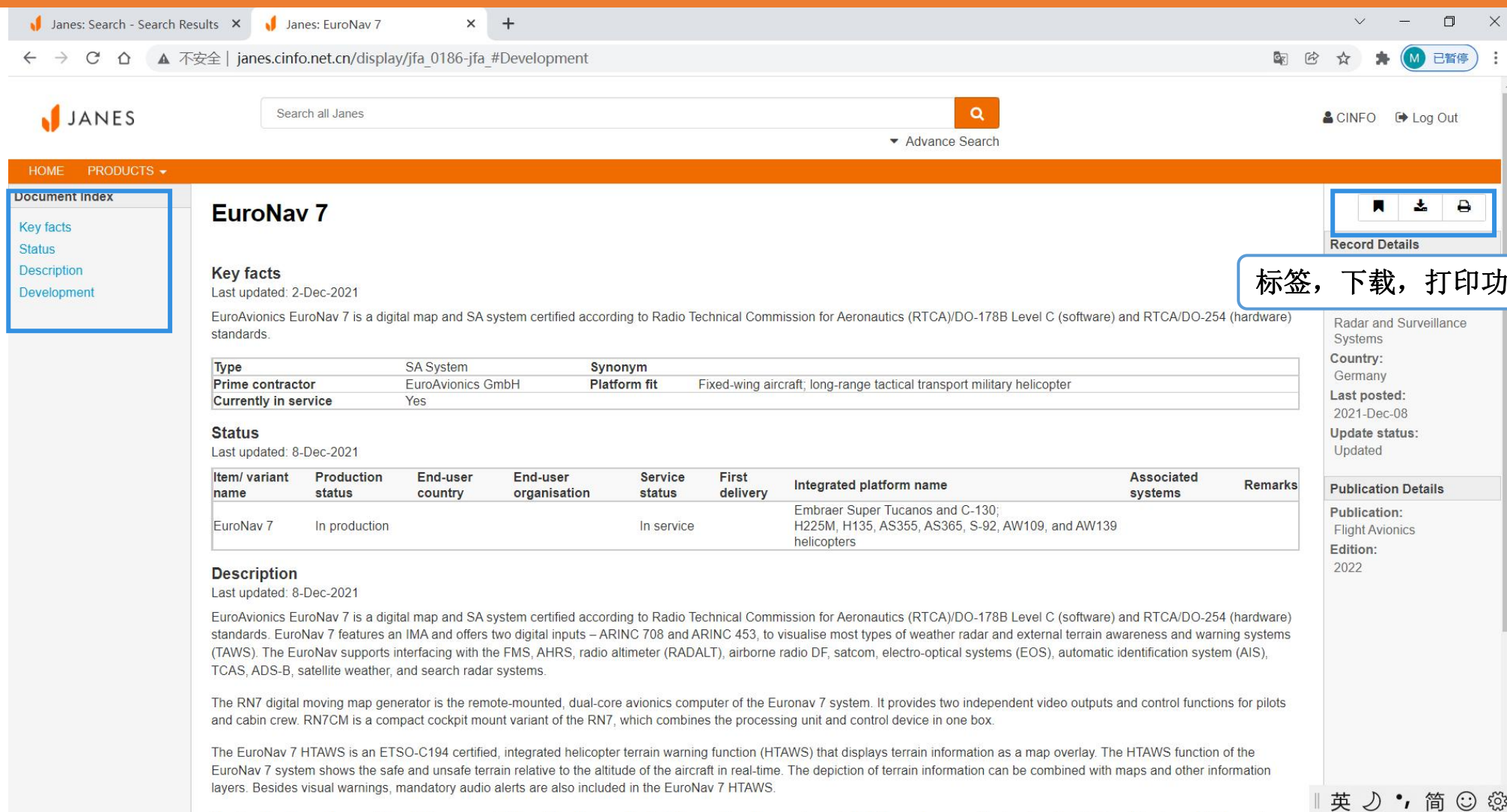
Last Updated: 2021-12-08

可调整结果排序方式



## 2. Jane's数据库使用指南

### 2.4 文章页面及功能-JDET



Janes: Search - Search Results x Janes: EuroNav 7 x +

← → ↺ ⌂ 不安全 | janes.cinfo.net.cn/display/jfa\_0186-jfa\_#Development

JANES Search all Janes [M] 已暂停

CINFO Log Out

HOME PRODUCTS

**EuroNav 7**

**Document Index**

- Key facts
- Status
- Description
- Development

**Record Details**

标签, 下载, 打印功能区

**Key facts**  
Last updated: 2-Dec-2021

EuroAvionics EuroNav 7 is a digital map and SA system certified according to Radio Technical Commission for Aeronautics (RTCA)/DO-178B Level C (software) and RTCA/DO-254 (hardware) standards.

Type	SA System	Synonym	
Prime contractor	EuroAvionics GmbH	Platform fit	Fixed-wing aircraft; long-range tactical transport military helicopter
Currently in service	Yes		

**Status**  
Last updated: 8-Dec-2021

Item/ variant name	Production status	End-user country	End-user organisation	Service status	First delivery	Integrated platform name	Associated systems	Remarks
EuroNav 7	In production			In service		Embraer Super Tucanos and C-130; H225M, H135, AS355, AS365, S-92, AW109, and AW139 helicopters		

**Description**  
Last updated: 8-Dec-2021

EuroAvionics EuroNav 7 is a digital map and SA system certified according to Radio Technical Commission for Aeronautics (RTCA)/DO-178B Level C (software) and RTCA/DO-254 (hardware) standards. EuroNav 7 features an IMA and offers two digital inputs – ARINC 708 and ARINC 453, to visualise most types of weather radar and external terrain awareness and warning systems (TAWS). The EuroNav supports interfacing with the FMS, AHRS, radio altimeter (RADALT), airborne radio DF, satcom, electro-optical systems (EOS), automatic identification system (AIS), TCAS, ADS-B, satellite weather, and search radar systems.

The RN7 digital moving map generator is the remote-mounted, dual-core avionics computer of the EuroNav 7 system. It provides two independent video outputs and control functions for pilots and cabin crew. RN7CM is a compact cockpit mount variant of the RN7, which combines the processing unit and control device in one box.

The EuroNav 7 HTAWS is an ETSO-C194 certified, integrated helicopter terrain warning function (HTAWS) that displays terrain information as a map overlay. The HTAWS function of the EuroNav 7 system shows the safe and unsafe terrain relative to the altitude of the aircraft in real-time. The depiction of terrain information can be combined with maps and other information layers. Besides visual warnings, mandatory audio alerts are also included in the EuroNav 7 HTAWS.

Publication Details

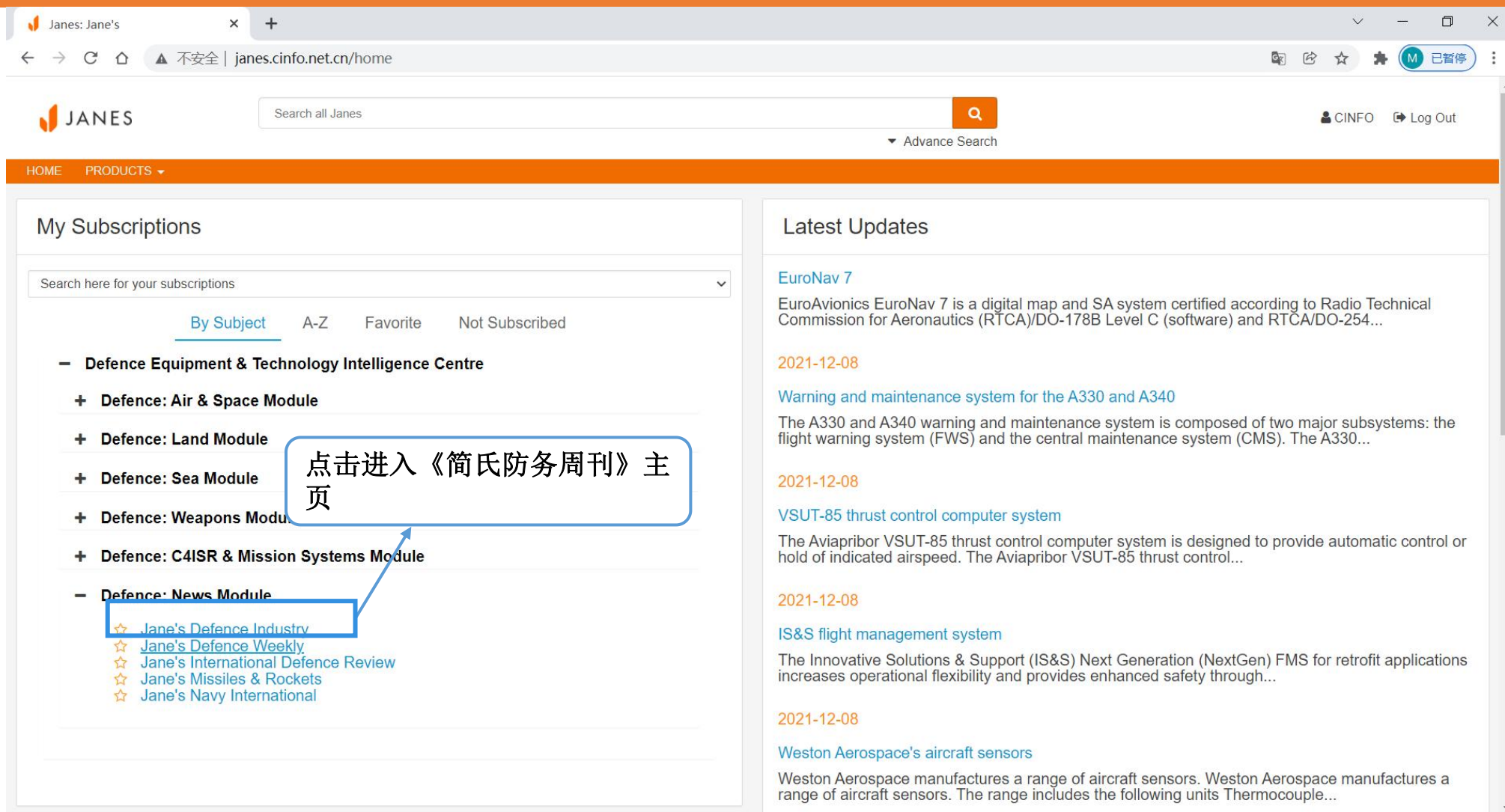
**Publication:**  
Flight Avionics

**Edition:**  
2022

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## 2. Jane's数据库使用指南

### 2.4 Defence Weekly 《简氏防务周刊》



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The A330 and A340 warning and maintenance system is composed of two major subsystems: the flight warning system (FWS) and the central maintenance system (CMS). The A330...

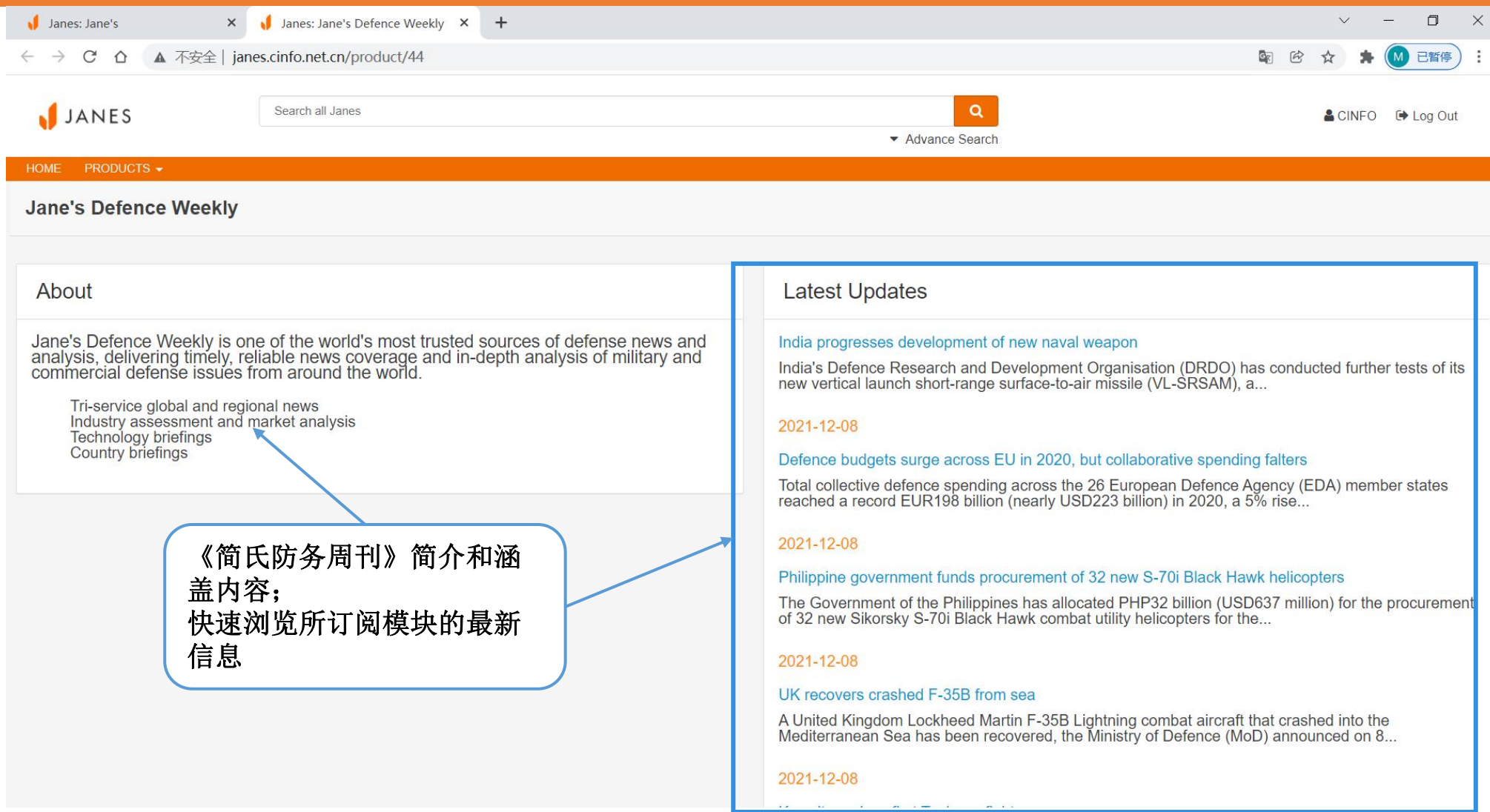
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### 2.4 Defence Weekly 《简氏防务周刊》



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The page content is divided into two main sections:

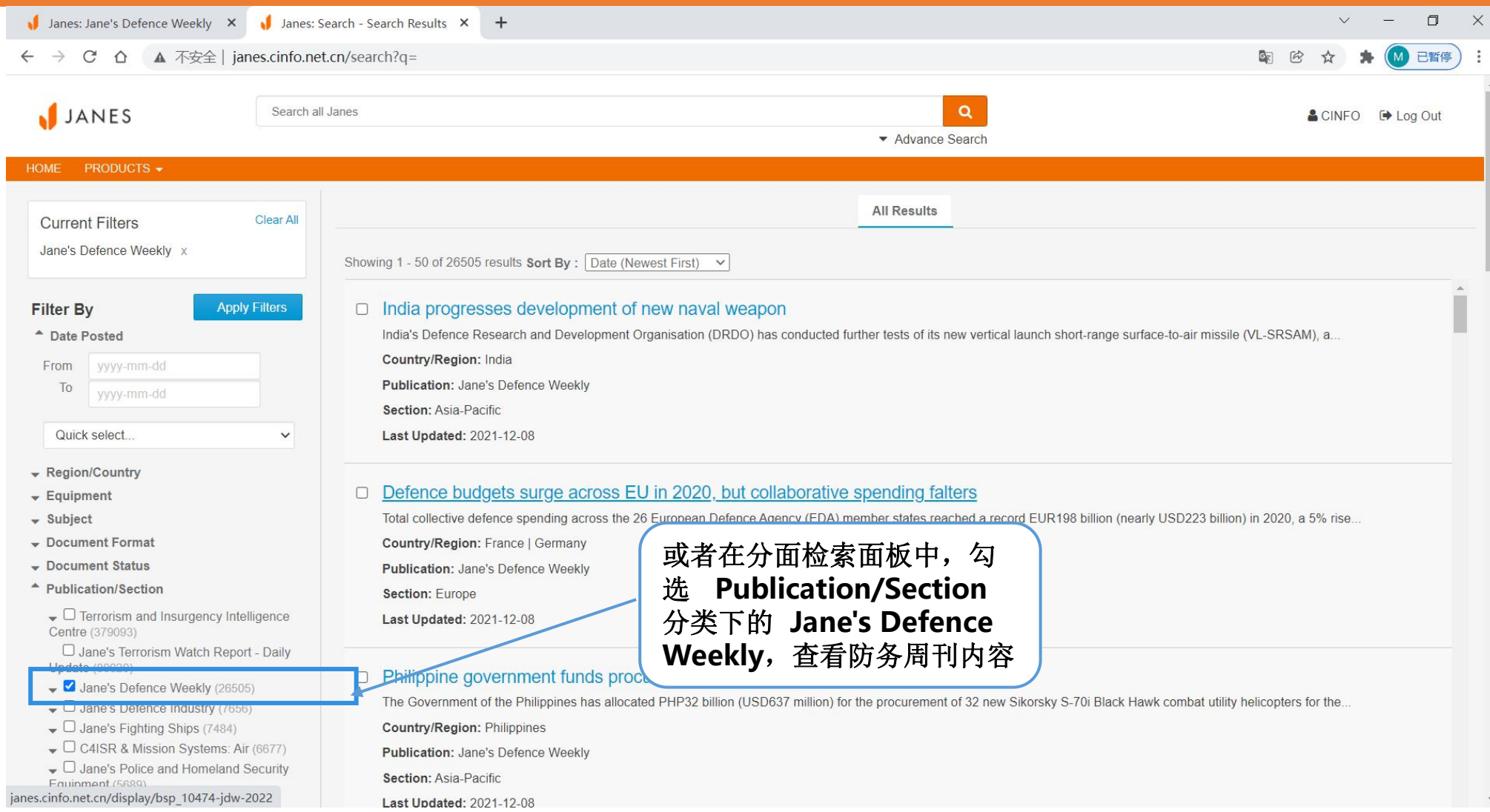
- About:** This section describes Jane's Defence Weekly as one of the world's most trusted sources of defense news and analysis. It lists the following content areas:
  - Tri-service global and regional news
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  - Technology briefings
  - Country briefings
- Latest Updates:** This section displays a list of recent news items, each with a date (2021-12-08) and a title:
  - India progresses development of new naval weapon:** India's Defence Research and Development Organisation (DRDO) has conducted further tests of its new vertical launch short-range surface-to-air missile (VL-SRSAM), a...
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  - Philippine government funds procurement of 32 new S-70i Black Hawk helicopters:** The Government of the Philippines has allocated PHP32 billion (USD637 million) for the procurement of 32 new Sikorsky S-70i Black Hawk combat utility helicopters for the...
  - UK recovers crashed F-35B from sea:** A United Kingdom Lockheed Martin F-35B Lightning combat aircraft that crashed into the Mediterranean Sea has been recovered, the Ministry of Defence (MoD) announced on 8...

Annotations on the image include:

- A blue box containing the text: 《简氏防务周刊》简介和涵盖内容；快速浏览所订阅模块的最新信息 (Introduction and coverage of Jane's Defence Weekly; quickly browse the latest information of the subscribed modules).
- Two blue arrows pointing from this box to the 'About' and 'Latest Updates' sections.
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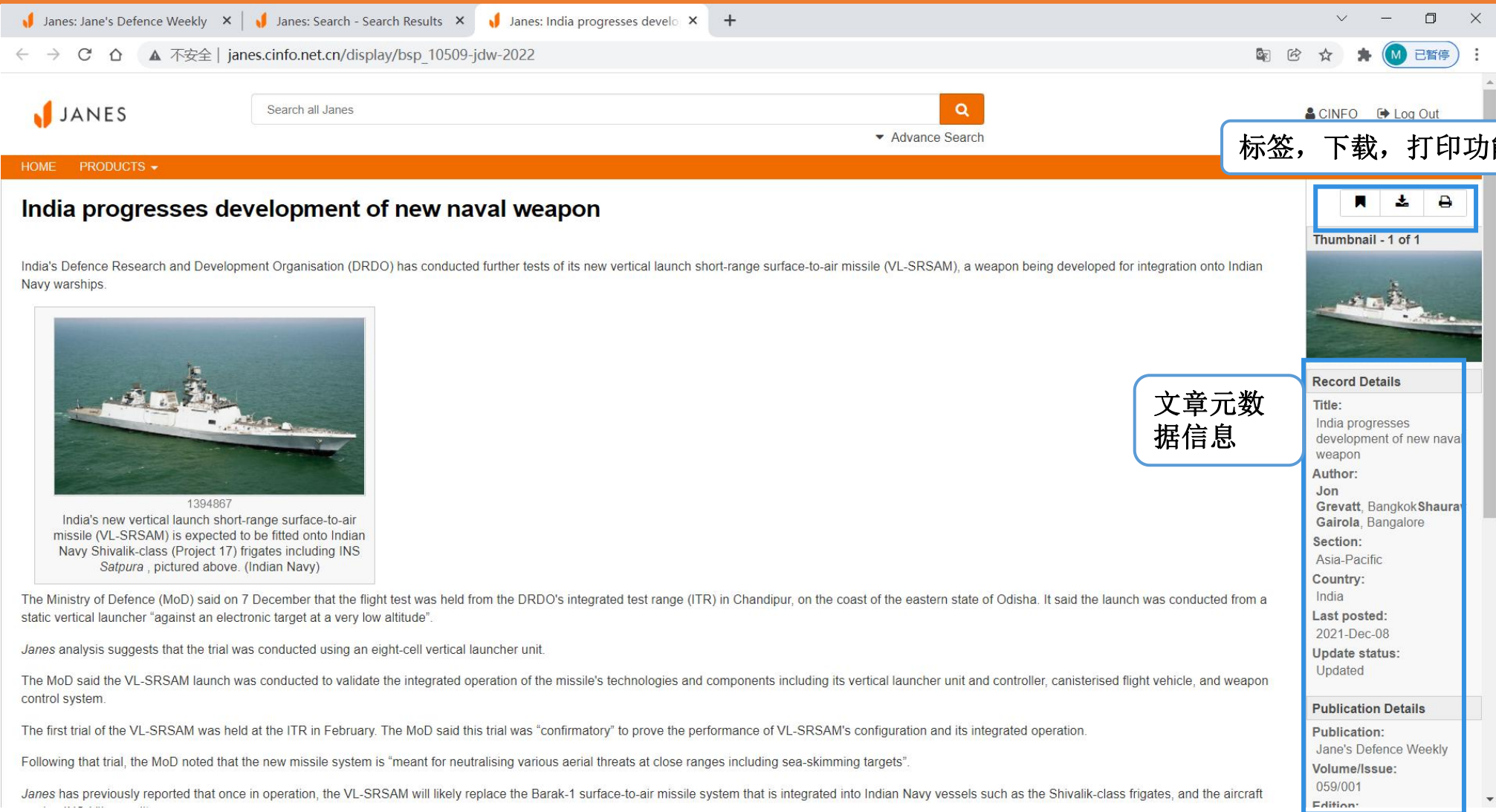
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**Country/Region:** India  
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**Last Updated:** 2021-12-08

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## 2. Jane's数据库使用指南

### 2.4 Defence Weekly 《简氏防务周刊》- 文章页面及功能



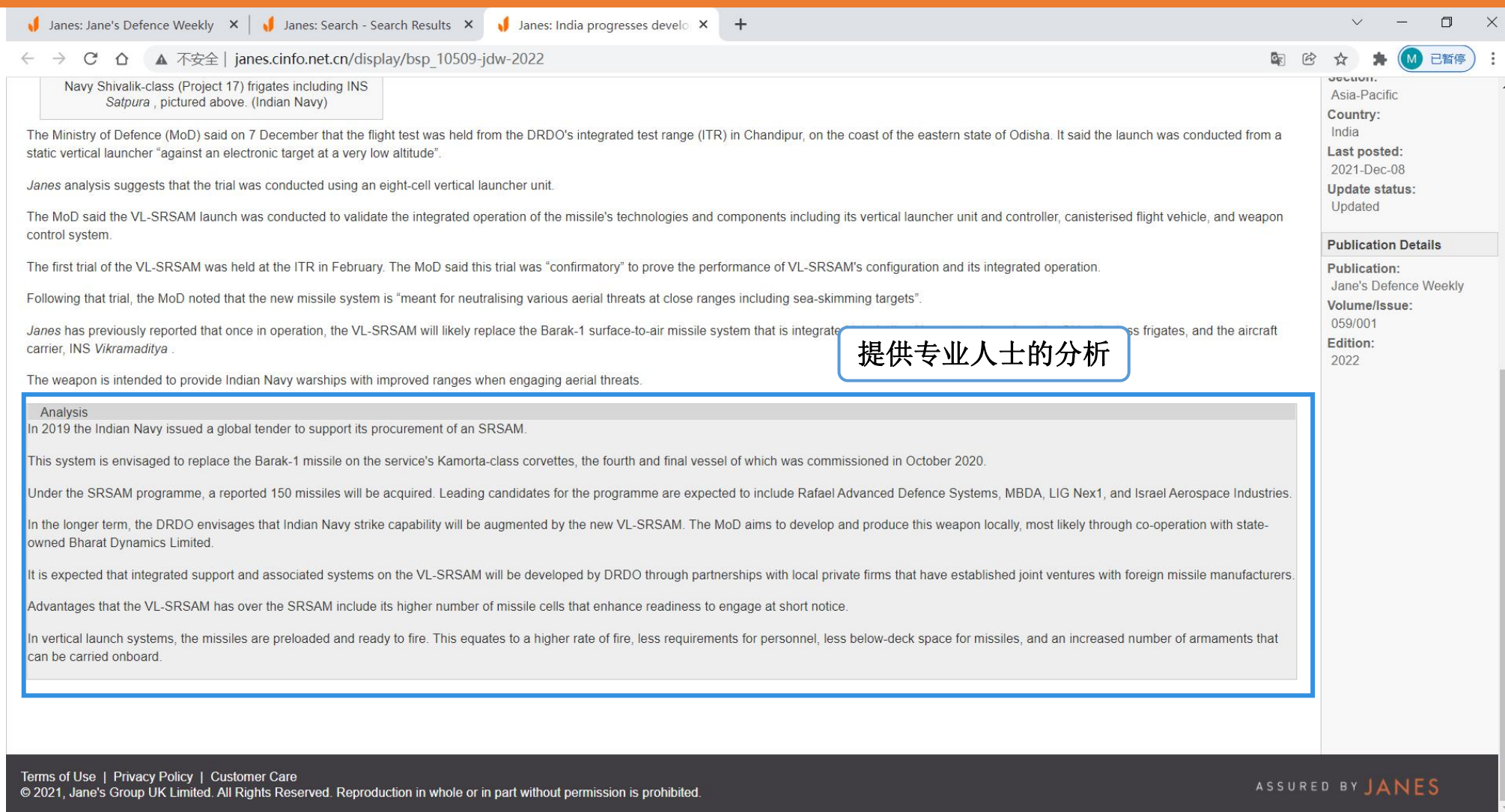
The screenshot shows a web browser window displaying the Jane's Defence Weekly article page. The browser tabs include 'Jane's: Jane's Defence Weekly', 'Jane's: Search - Search Results', and 'Jane's: India progresses develo'. The address bar shows the URL 'janes.cinfo.net.cn/display/bsp\_10509-jdw-2022'. The page header features the JANES logo, a search bar, and a 'Log Out' button. The main content area is titled 'India progresses development of new naval weapon' and includes a sub-header 'India's Defence Research and Development Organisation (DRDO) has conducted further tests of its new vertical launch short-range surface-to-air missile (VL-SRSAM), a weapon being developed for integration onto Indian Navy warships.' Below the text is a photograph of the INS Satpura, a Shivalik-class frigate. To the right of the article, there is a sidebar with a 'Thumbnail - 1 of 1' image and a 'Record Details' section. The 'Record Details' section lists the title, author (Jon Grevatt), section (Asia-Pacific), country (India), last posted date (2021-Dec-08), and update status (Updated). Below this is a 'Publication Details' section listing the publication (Jane's Defence Weekly), volume/issue (059/001), and edition.

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## 2. Jane's数据库使用指南

### 2.4 Defence Weekly 《简氏防务周刊》- 文章页面及功能



Navy Shivalik-class (Project 17) frigates including INS Satpura, pictured above. (Indian Navy)

The Ministry of Defence (MoD) said on 7 December that the flight test was held from the DRDO's integrated test range (ITR) in Chandipur, on the coast of the eastern state of Odisha. It said the launch was conducted from a static vertical launcher "against an electronic target at a very low altitude".

Janes analysis suggests that the trial was conducted using an eight-cell vertical launcher unit.

The MoD said the VL-SRSAM launch was conducted to validate the integrated operation of the missile's technologies and components including its vertical launcher unit and controller, canisterised flight vehicle, and weapon control system.

The first trial of the VL-SRSAM was held at the ITR in February. The MoD said this trial was "confirmatory" to prove the performance of VL-SRSAM's configuration and its integrated operation.

Following that trial, the MoD noted that the new missile system is "meant for neutralising various aerial threats at close ranges including sea-skimming targets".

Janes has previously reported that once in operation, the VL-SRSAM will likely replace the Barak-1 surface-to-air missile system that is integrated on the Shivalik-class frigates, and the aircraft carrier, INS Vikramaditya.

The weapon is intended to provide Indian Navy warships with improved ranges when engaging aerial threats.

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**Analysis**

In 2019 the Indian Navy issued a global tender to support its procurement of an SRSAM.

This system is envisaged to replace the Barak-1 missile on the service's Kamorta-class corvettes, the fourth and final vessel of which was commissioned in October 2020.

Under the SRSAM programme, a reported 150 missiles will be acquired. Leading candidates for the programme are expected to include Rafael Advanced Defence Systems, MBDA, LIG Nex1, and Israel Aerospace Industries.

In the longer term, the DRDO envisages that Indian Navy strike capability will be augmented by the new VL-SRSAM. The MoD aims to develop and produce this weapon locally, most likely through co-operation with state-owned Bharat Dynamics Limited.

It is expected that integrated support and associated systems on the VL-SRSAM will be developed by DRDO through partnerships with local private firms that have established joint ventures with foreign missile manufacturers.

Advantages that the VL-SRSAM has over the SRSAM include its higher number of missile cells that enhance readiness to engage at short notice.

In vertical launch systems, the missiles are preloaded and ready to fire. This equates to a higher rate of fire, less requirements for personnel, less below-deck space for missiles, and an increased number of armaments that can be carried onboard.

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