

# Working with the CTBTO

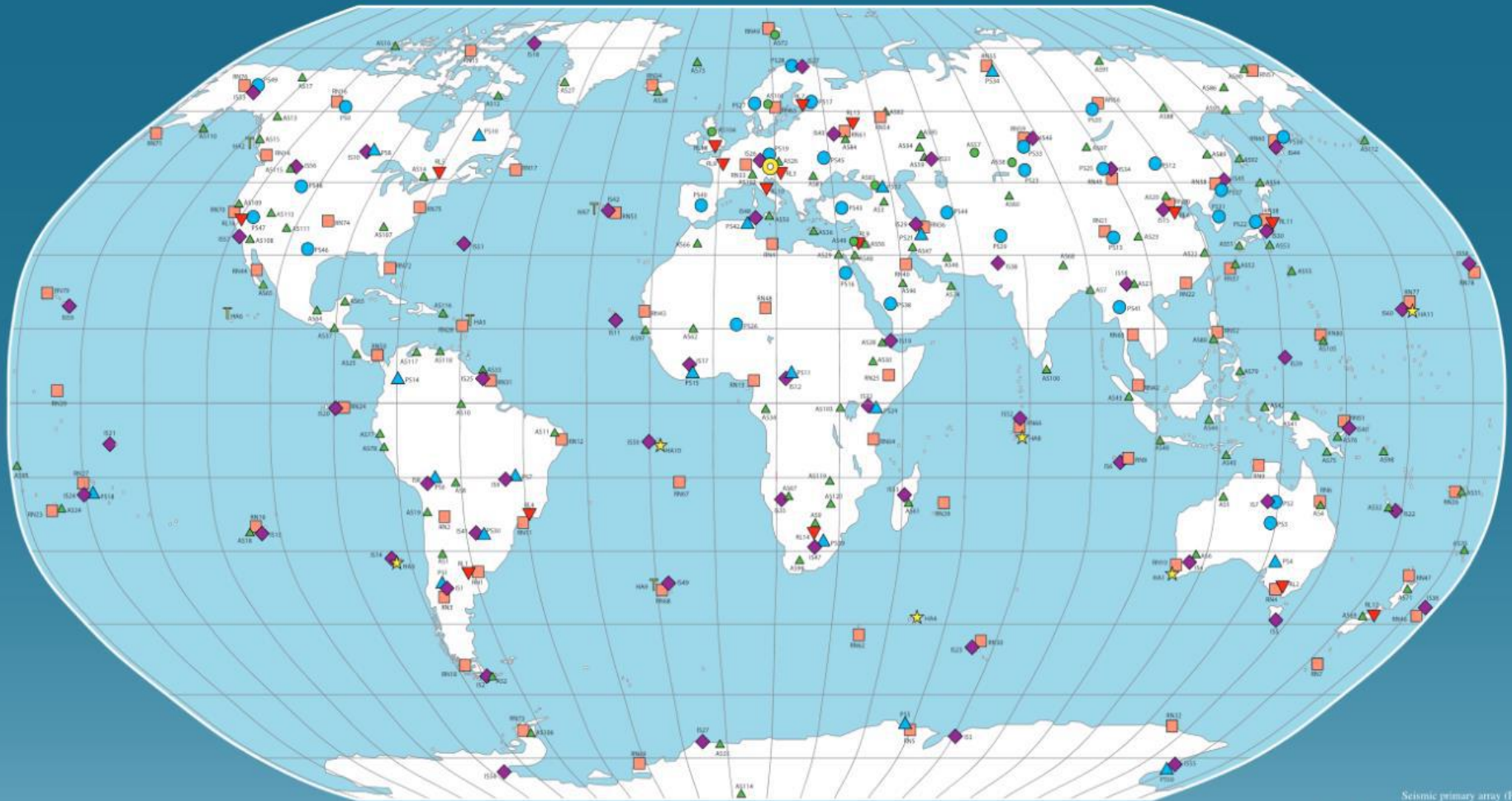
**Building Business Partnerships**

# Who we are

The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization, headquartered in Vienna, Austria (“CTBTO” or “Commission”) is the international organization mandated to establish the global verification system foreseen under the Comprehensive Nuclear-Test-Ban Treaty (CTBT), which is the Treaty banning any nuclear weapon test explosion or any other nuclear explosions. The Treaty provides for a global verification regime, including a network of 337 facilities worldwide that make up the international monitoring system (IMS), a communication system, an international data centre (IDC) and on-site inspections (OSI) to monitor compliance with the Treaty.

# The CTBTO's Verification System

## INTERNATIONAL MONITORING SYSTEM



The Comprehensive Nuclear-Test-Ban Treaty (CTBT) of 1996 bans nuclear explosions in all environments. Explosions in the atmosphere, under water and in outer space were banned in 1963. CTBT prohibits them underground as well.

Under CTBT, a global system of monitoring stations, using four complementary technologies, is being established to record data necessary to verify compliance with the Treaty. Supported by 16 radionuclide laboratories, this network of 337 monitoring stations will be capable of registering shock waves emanating from a nuclear explosion underground, in the seas and in the air, as well as detecting radioactive debris released into the atmosphere. The location of the stations has been carefully chosen for optimal and cost-effective global coverage.

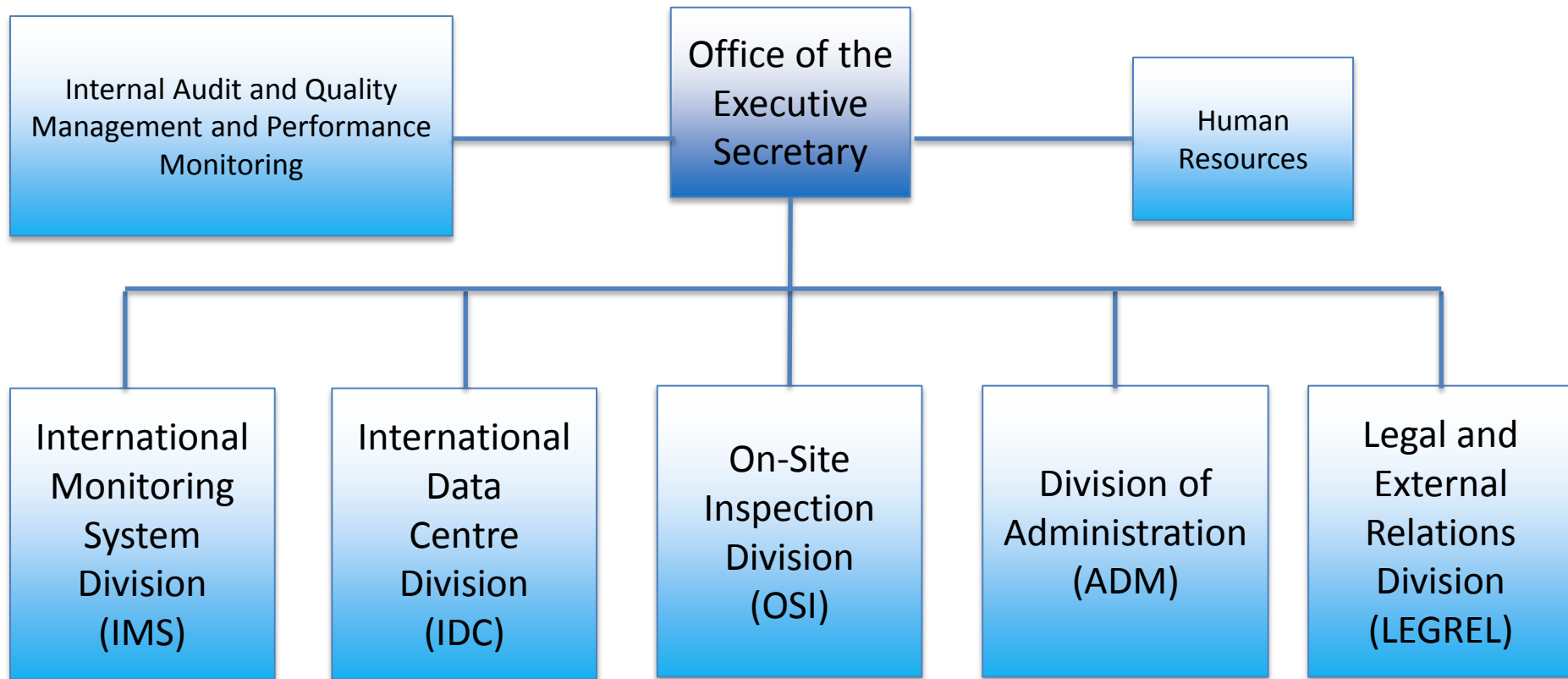
The monitoring stations will transmit, via satellite, the data to the International Data Centre (IDC) within CTBTO PrepCom in Vienna, where the data will be used to detect, locate and characterize events.

These data and IDC products will be made available to the States Signatories for final analysis.

Overleaf is a listing of the international monitoring system and brief descriptions of their characteristics and capabilities.

- Seismic primary array (PS) 
- Seismic primary three-component station (PS) 
- Seismic auxiliary array (AS) 
- Seismic auxiliary three-component station (AS) 
- Hydroacoustic (hydrophone) station (HA) 
- Hydroacoustic (T-phase) station (HA) 
- Infrasonic station (IS) 
- Radionuclide station (RN) 
- Radionuclide laboratory (RL) 
- International Data Centre, CTBTO PrepCom, Vienna 

# Structure of the CTBTO (“Commission”)

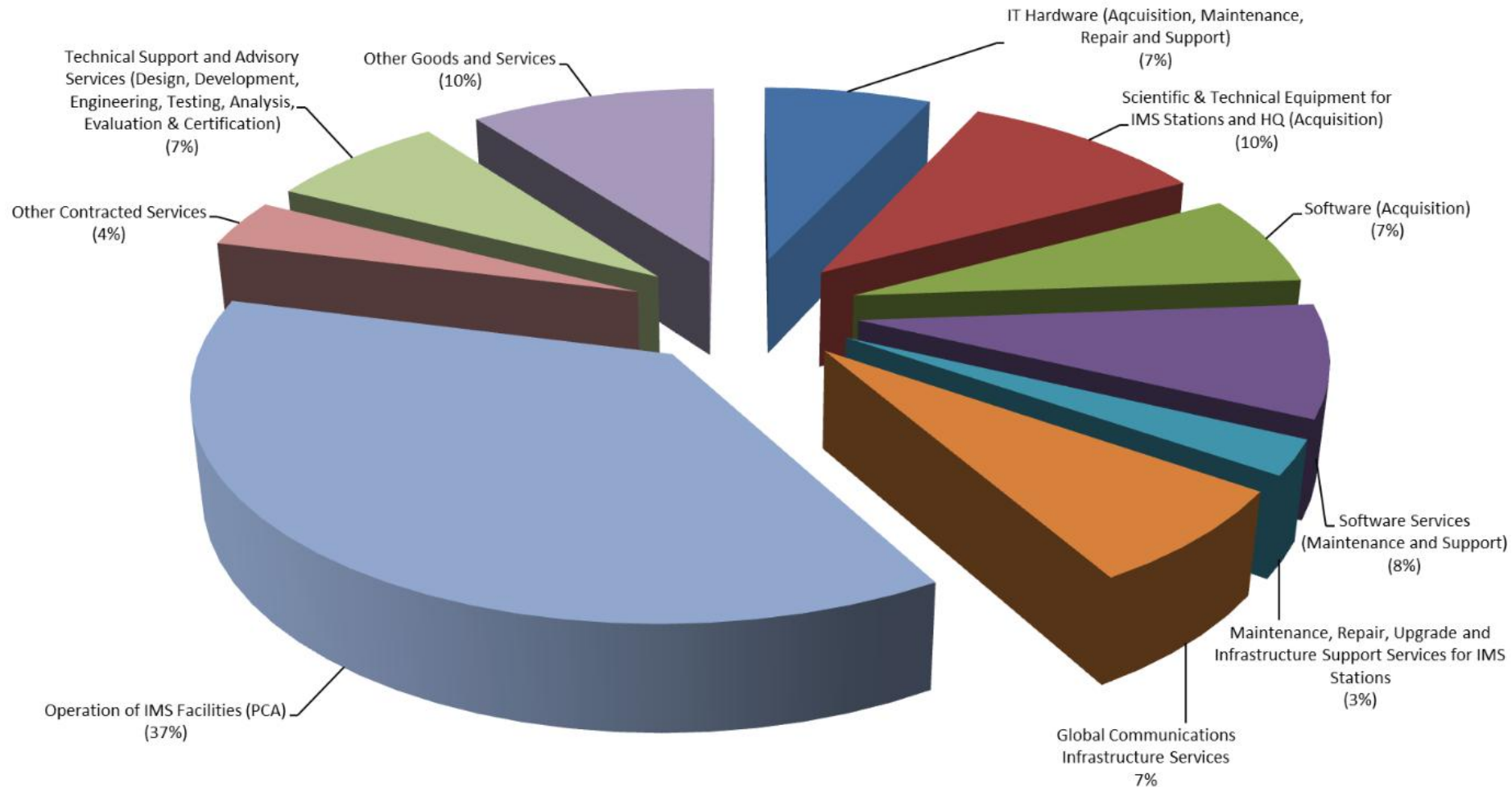


Further information about CTBTO can be found on the CTBTO website

<https://www.ctbto.org>



# CTBTO Procurement Categories\*



\*Actual proportions vary depending on programme focus for particular budget years.  
The Commission procures goods and services in the amount of USD 60-70 Million annually.

# Examples of Goods and Services procured for the Commission's Divisions

## International Monitoring Systems (IMS) Division

- Construction related to the establishment of IMS stations
- On-site survey services
- Minor civil works and upgrades at station locations, including at remote locations
- Maintenance services
- Electrical installation and design Engineering services, e.g. Low voltage power networks for remote locations and lightning protection systems
- Civil Engineering services
- Geophysical engineering services
- Metrology engineering services
- Radionuclide engineering services
- Hydroacoustic engineering services
- Underwater cable inspections and repair
- Information management services for engineering planning
- Research and development studies in the major technologies employed by the CTBT
- Radionuclide measurement/sampling equipment, including noble gas measurement systems
- Infrasound sensors and related equipment, including wind noise reducing systems
- Seismic sensors (e.g. seismometers) and related equipment
- Data acquisition systems
- HPGe detector systems
- Hydroacoustic sensors and related equipment
- Integrated communication systems, related equipment and services

# Examples of Goods and Services procured for the Commission's Divisions

## IMS- continued

- Integrated communication systems, related equipment and services
- Micro-barometers and related equipment and services
- High-resolution Digitizers
- Filter material for radionuclide particle measurement
- Software engineering related to the main technologies of CTBTO
- Office IT hardware
- Public information expert services
- UPS systems and batteries
- Logistics support services including logistics analysis software
- Shipping services
- Internet Service Provider (ISP) services
- Internet security hardware and software
- ERP system support and development services
- ERP system consulting services
- Computer hardware and large storage systems
- Computer operating systems, e.g. Unix, Linux and Windows
- Surveillance systems
- Mobile phones and accessories
- Satellite phones
- IT Hardware Maintenance Services

# Examples of Goods and Services procured for the Commission's Divisions

## **International Data Centre (IDC) Division**

- Satellite link communication services
- Station operation services
- Software Engineering Services, Processing and Dissemination
- Canonical Solutions for Seismo-Acoustic Propagation in Coastal Environments to Support Analysts in Identifying Phases at T-stations
- Software Maintenance Services
- Public Key Infrastructure maintenance, support and development of enhanced solutions
- Data Link Services
- Communication Network Services
- Xenon Mitigation Projects services
- Project Management and AGILE in-house training courses
- Journal subscriptions and publication of articles
- Cybersecurity Awareness Programs

## **On-Site Inspections (OSI) Division**

- Transportation and logistics services
- Telemetry services
- e-Learning software
- Field deployment equipment and services
- Helium, nitrogen, CO2 and xenon gases
- Software services
- High Pressure Inflatable Tents and accessories
- Satellite imagery equipment



# Examples of Goods and Services procured for the Commission's Divisions

## **Legal and External Relations (LEGREL) Division**

- Website services
- Conference support services
- Presentation and display materials
- Video, photography and multimedia services
- Event related services
- Printing and production services
- Transportation Services

## **Administration (ADM) Division**

- Office supplies and paper
- Printing services
- Talent (recruitment) management system (software)
- Management training
- Vehicles
- Maintenance and insurance of vehicle fleet
- Procurement software solutions
- Medical insurance for staff and non-staff
- Emergency transportation services
- Equipment insurance

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preparatory commission for the  
comprehensive nuclear-test-ban  
treaty organization



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**PROCUREMENT**

EMPLOYMENT

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## CTBTO WORLD VIEWS

Auxiliary Seismic Station AS114,  
Southpole, Antarctica

VIDEOS



## CURRENT TREATY STATUS

MEMBER STATES	183
TOTAL RATIFICATIONS	166
ANNEX 2 RATIFICATIONS	36
LATEST STATE SIGNATORY	Niue
LATEST RATIFYING STATE	Myanmar

## RECENT NEWS

24 JAN 2018

Transportable radioxenon  
systems (TXLs) enhance  
monitoring in Japan



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- DPRK nuclear tests
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CTBT IN THE NEWS

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## Welcome to the UNGM

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Title

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Reference

Published between  and 29-Jan-2018

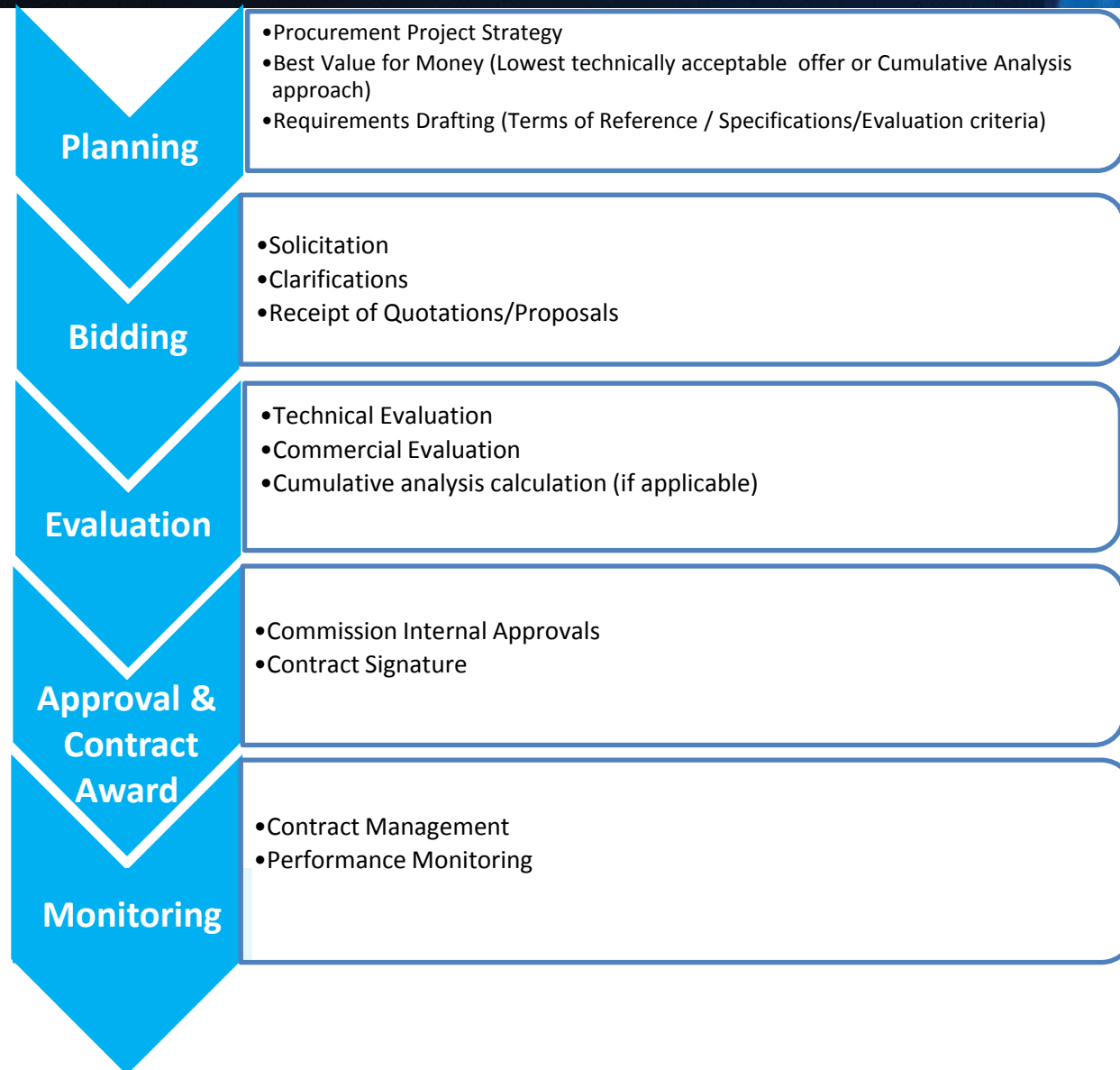
Deadline between 29-Jan-2018 and

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 Displaying results 1 to 15 of **409**

	Title	Deadline	Published	UN organization	Type of notice	Reference	Beneficiary country/territory
<a href="#">Express Interest</a>	<a href="#">Provision of Maintenance Services for the CTBTO Storage System for 2018-2021</a>	05-Feb-2018 17:00 (GMT 1.00)	22-Dec-2017	CTBTO	Request for proposal	RFP No. 2017-0031/JIBRIL - RE-BID	Austria
<a href="#">Express Interest</a>	<a href="#">Provision of Canonical Solutions for Seismo-Acoustic Propagation in Coastal Environments to Support Analysts in Identifying Phases at Tstations, as per the attached Terms of Reference</a>	31-Jan-2018 17:32 (GMT 1.00)	22-Dec-2017	CTBTO	Request for proposal	RFP No. 2017-0255/RAHMAN	Austria
<a href="#">Express Interest</a>	<a href="#">Maintenance Services for the Data Centre UNIX-Based Servers and Systems for the period 2018 - 2021</a>	31-Jan-2018 17:00 (GMT 1.00)	22-Dec-2017	CTBTO	Request for proposal	RFP No. 2017-0263/RAHMAN	Austria

# High-level Overview of the Procurement Process





## Some important information to know when working with the Commission

- As an International Organization, the Commission is committed to ensuring the following procurement principles:
  - Best value for money
  - Fairness, integrity and transparency
  - Effective international competition
  - The interests of the Commission
- Always respond when directly invited to submit an offer, even if just to indicate that you are not in a position to participate. This will indicate to us that you are still interested in receiving further invitations.
- Always read the solicitation documents thoroughly as these provide detailed instructions that potential Business Partners need to know when submitting bids.
  - Failure to do so can result in disqualification of a proposal
  - Provide all requested information so that your bid is fully compliant
  - Adhere strictly to all deadlines as late proposals will not be considered

- Be sure to check if a **sealed bid** is required. This could be **one** or **two** sealed envelopes. Electronic submissions in such cases will not be accepted.
- Any clarification questions regarding a solicitation must be sent in writing, within the specified timeframe. The Commission will post answers to all questions on the CTBTO website and on UNGM so all bidders receive the same information.
- Always provide your most competitive offer at the outset as final negotiations are only undertaken (if at all) with the successful bidder.
- Keep us updated on any change of contact details for your company to ensure we are contacting the correct person.

**Any questions can be directed to:**

**[Procurement@CTBTO.org](mailto:Procurement@CTBTO.org)**

**or**

**+43 1 26030 6350**

ありがとうございました