

Call for expression of interest to operate a filing (CLEOSAT)

The Luxembourg Administration has published a Call for Expression of Interest (C.E.I.) with an aim to establish a list of companies interested to use the frequencies and bands that are part of the satellite network CLEOSAT.

The Luxembourg Administration had submitted a filing to the ITU in May 2015 (received by the BR on 12 May 2015).

The filing is identified as a Luxembourg filing in the ITU Register as the satellite network named CLEOSAT registered under the Special Section No. API/A/10250:

Detailed information about the filing can be found at the following [link](#)¹.

Please note that the Bring Into Use (BIU) of the filing is required to be done before May 12th 2022, otherwise the BR (Radiocommunications Bureau of ITU-R) will proceed to the suppression of the network.

The parties interested to overtake the operation of the filing will have to pursue and conclude the network coordination requirements of the CLEOSAT both at international level (ITU Coordination) and at national level (with national operators).

Technical description of the filing:

- Frequency bands :

The following frequency bands are included in the CLEOSAT filing:

1518 - 1525 MHz (emission)
1525 - 1559 MHz (emission)
1610 - 1626.5 MHz (reception)
1626.5 - 1660.5 MHz (reception)
1668 - 1675 MHz (reception)
1980 - 2010 MHz (reception)*
2170 - 2200 MHz (emission)*
2483.5 - 2500 MHz (emission)
5150 - 5250 MHz (reception)
7025 - 7075 MHz (emission)
19300 - 19600 MHz (emission)
29100 - 29400 MHz (reception)

¹ https://www.itu.int/net/ITU-R/space/sn/bresult/radvance.asp?q_sns_id=&sel_satname=CLEOSAT&ftexte=&sel_esname=none&ktexte=&sel_adm=all&sel_org=all&sel_ific=&sel_year=&sel_date_from=&sel_date_to=&sel_rcpt_from=&sel_rcpt_to=&sel_gso=gso&sel_gso=ngso&sel_orbit_from=&sel_orbit_to=

Remark: * please note that for the EU-harmonised MSS 2GHz band (1980 - 2010 MHz/2170 - 2200MHz), the geographical area of the European Union shall be excluded from operations due to the fact that EC licenses have been granted to this band.

The service area foreseen is global.

The radio services foreseen in the filing in the different frequency bands include MSS (Mobile-satellite Service), FSS (Fixed-Satellite Service) and tracking and telecommand services (TT&C).

The filing contains 6 uplink and 6 downlink beams.

- Summary of orbital Characteristics

Concerning the orbital characteristics, the filing describes a NGSO constellation with 6 planes and 10 satellites in each plane. The foreseen altitude is of 850 km, the inclination angle is of 86 degrees.

- Earth Stations

Typical Earth Stations as well as specific Earth Stations were initially foreseen in the CLEOSAT filing. It has to be noted, that all the specific Earth Stations initially foreseen and included in the filing are located in China.

More technical details of the CLEOSAT network, such as technical characteristics of the Earth Stations and orbital parameters, can be found in the filing, in the above mentioned link.

The Luxembourg Administration is seeking expression of interest from:

Companies able to meet the requirements of the ITU Radio Regulation to operate the filing described above and to bring the filing into use before 12 May 2022, while concluding also the necessary national coordination requirements.

Information required for expression of interest for the above described filing

The expression of interest must include the following information:

- The name of the company; an extract of the business register, the members of the Board of Directors / the Managers and its contact details.
- A description of the company's current activities in Luxembourg and/or other locations, its technical capabilities and its current financial situation.
- A (detailed) plan on how to operate the filing (CLEOSAT), taking into account the short notice before the expiration of the 7-year period.
- The type of services envisaged to be offered and the targeted customers.
- A brief overview on the costs and revenues expected for operating the filing (CLEOSAT).

How to respond to the call of expression of interest

The expression of interest has to be submitted in electronic format (PDF document) to:

- Consultation-sat@ilr.lu

The submission shall contain the required information mentioned above.

Closing date for submission

The closing date for the submission of the expression of interest is 31st January 2022 COB.

Next Steps:

The Luxembourg Administration may invite interested parties fulfilling the requirements for providing a more detailed application before decision taking.