

## AMODIO Pasquale

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**From:** Kjersti.Hamborgstrom@telenor.com  
**Sent:** Thursday, September 12, 2019 10:11 AM  
**To:** AMODIO Pasquale  
**Cc:** Per-Arne.Grotthing@telenor.com; Richard-James.Buckley@telenor.com  
**Subject:** RE: additional information for SES-MFS-20190424-00544 (INTERNAL)

Dear Pasquale,  
Here is what our operations guys came up with:

Telenor makes a best effort to comply with ITU recommendations for removing geostationary satellites from orbit.

In general terms this means:

- Raising the orbit > 300 Km.
- Passivating the satellite to lowest energy state possible with all on-board stored energy sources discharged by venting propellants and pressurants.
- Discharging batteries and disabling the ability to charge them.
- Disabling all broadcasting capability.

Hope this satisfies your requirement.

All the best,  
Kjersti

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**From:** AMODIO Pasquale [mailto:Pasquale.AMODIO@us.thalesgroup.com]  
**Sent:** 10. september 2019 16:43  
**To:** Hamborgstrøm Kjersti  
**Subject:** RE: additional information for SES-MFS-20190424-00544 (INTERNAL)

[https://www.ecfr.gov/cgi-bin/text-idx?SID=b80df39ef1d10f0989a64ec82985e65c&mc=true&node=se47.2.25\\_1258&rgn=div8](https://www.ecfr.gov/cgi-bin/text-idx?SID=b80df39ef1d10f0989a64ec82985e65c&mc=true&node=se47.2.25_1258&rgn=div8)

### **§25.258 Sharing between NGSO MSS feeder-link stations and GSO FSS services in the 29.25-29.5 GHz band.**

(a) Operators of NGSO MSS feeder link earth stations and GSO FSS earth stations in the band 29.25 to 29.5 GHz where both services have a co-primary allocation shall cooperate fully in order to coordinate their systems. During the coordination process both service operators shall exchange the necessary technical parameters required for coordination.

(b) Licensed GSO FSS earth stations in the vicinity of operational NGSO MSS feeder-link earth station complexes must, to the maximum extent possible, operate with frequency/polarization selections that will minimize unacceptable interference with reception of GSO FSS and NGSO MSS uplink transmissions in the 29.25-29.5 GHz band. Earth station licensees operating with GSO FSS systems shall be capable of providing earth station locations to support coordination of NGSO MSS feeder link stations under paragraphs (a) and (c) of this section. Operation of ubiquitously deployed GSO FSS earth stations in the 29.25-29.5 GHz frequency band shall conform to the rules contained in §25.138.

(c) Applicants for authority to use the 29.25-29.5 GHz band for NGSO MSS feeder uplinks will have to demonstrate that their systems can share with GSO FSS and NGSO MSS systems that have been authorized for operation in that band.

[67 FR 37336, May 29, 2002, as amended at 68 FR 16967, Apr. 8, 2003; 81 FR 55348, Aug. 18, 2016]

*Pasquale (Pat) Amodio*

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**From:** Kjersti.Hamborgstrom@telenor.com [mailto:Kjersti.Hamborgstrom@telenor.com]

**Sent:** Tuesday, September 10, 2019 10:16 AM

**To:** AMODIO Pasquale

**Subject:** RE: additional information for SES-MFS-20190424-00544 (INTERNAL)

Hi again,

I will send this over to our operational guys and get back to you, but I will need to know what Section 25.258 says?

All the best,

Kjersti

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**From:** AMODIO Pasquale [mailto:Pasquale.AMODIO@us.thalesgroup.com]

**Sent:** 10. september 2019 16:04

**To:** Hamborgstrøm Kjersti

**Subject:** FW: additional information for SES-MFS-20190424-00544

Hello Kjersti,

See below two additional items the FCC is requesting.

Thanks,

*Pasquale (Pat) Amodio*

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**From:** Cindy Spiers [mailto:Cindy.Spiers@fcc.gov]

**Sent:** Monday, September 09, 2019 1:17 PM

**To:** AMODIO Pasquale

**Cc:** Trang Nguyen; Paul Blais; Cindy Spiers

**Subject:** additional information for SES-MFS-20190424-00544

Pat –

Our engineer on the space station side has reviewed the filing for the Thor-7 so that we can put the application on AFF PN. In order to do so, we will need two things:

- We will need the end-of-like disposal altitude including the analysis and assumptions used per Section 25.258.
- A statement confirming if there would be any stored energy source including propellant and pressurant. If yes, need to provide the amount (kg), the volume of the tank(s), the pressure and temperature at which it will be stored.

Thanks in advance for your time and attention to this. you can file your responses as a letter in the SES-MFS-20190424-00544 other filings tab in IBFS.

Cindy

Cindy Spiers  
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