DUE DILIGENCE
(Resolution 49)

Akim FALOU-DINE

akim.faloudine@itu.int

5-9 December 2011

Committed to connecting the world

DUE DILIGENCE

- Resolution 49: to address the problem of reservation of orbit and spectrum capacity without actual use (Res. 18 of Kyoto Plenipotentiary)

- Applies from 22.11.1997 to any satellite network in the FSS, MSS, BSS that is subject to coordination under 9.7, 9.11, 9.12, 9.12A and 9.13 and Resolution 33 (Rev.WRC-03)

DUE DILIGENCE

- Applies for submissions under Article 4 of Appendices 30 and 30A

- Applies for submissions under Article 6 of Appendix 30B (Rev. WRC-07) received on or after 17 November 2007(with the exception of new Member States seeking the acquisition of their respective national allotments for inclusion in the AP30B Plan)

International Telecommunication Union
Committed to connecting the world

DUE DILIGENCE (Administrative)

- Six months before expiry of the notified period of bringing into use (7 years for non-planned services and 8 years for planned services), the BR sends a reminder. The complete due diligence shall be published by the Bureau in the BR IFIC
- If the complete due diligence information is not received within the specified time limit, the network shall be cancelled from the Master Register or Appendices 30/30A/30B Lists

International Telecommunication Union
Committed to connecting the world

DUE DILIGENCE (information required)

Annex 2 to Resolution 49

A. Identity of the satellite network
B. Spacecraft manufacturer
C. Launch services provider

International Telecommunication Union
Committed to connecting the world

Annex 2 to Resolution 49

A. Identity of the satellite network

a) Identity of the satellite network

b) Name of the administration

c) Country symbol

d) Reference to the API special section, to the modification of AP30/30B, to the information of Article 6 of AP30B(Rev.WRC-07)

International Telecommunication Union
Committed to connecting the world

Annex 2 to Resolution 49

e) reference to the CR/C special section (not applicable for AP30/30A/30B)

f) Frequency band(s)

g) Name of the operator

h) Name of the satellite

I) Orbital characteristics

International Telecommunication Union
Committed to connecting the world

Annex 2 to Resolution 49

B. Spacecraft manufacturer

a) Name of the spacecraft manufacturer

b) Date of execution of the contract

c) Contractual “delivery window”

d) Number of satellites procured

International Telecommunication Union
Committed to connecting the world

C. Launch services provider

a) Name of the launch vehicle provider
b) Date of execution of the contract
c) Anticipated launch or in-orbit delivery window
d) Name of the launch vehicle
e) Name and location of the launch facility

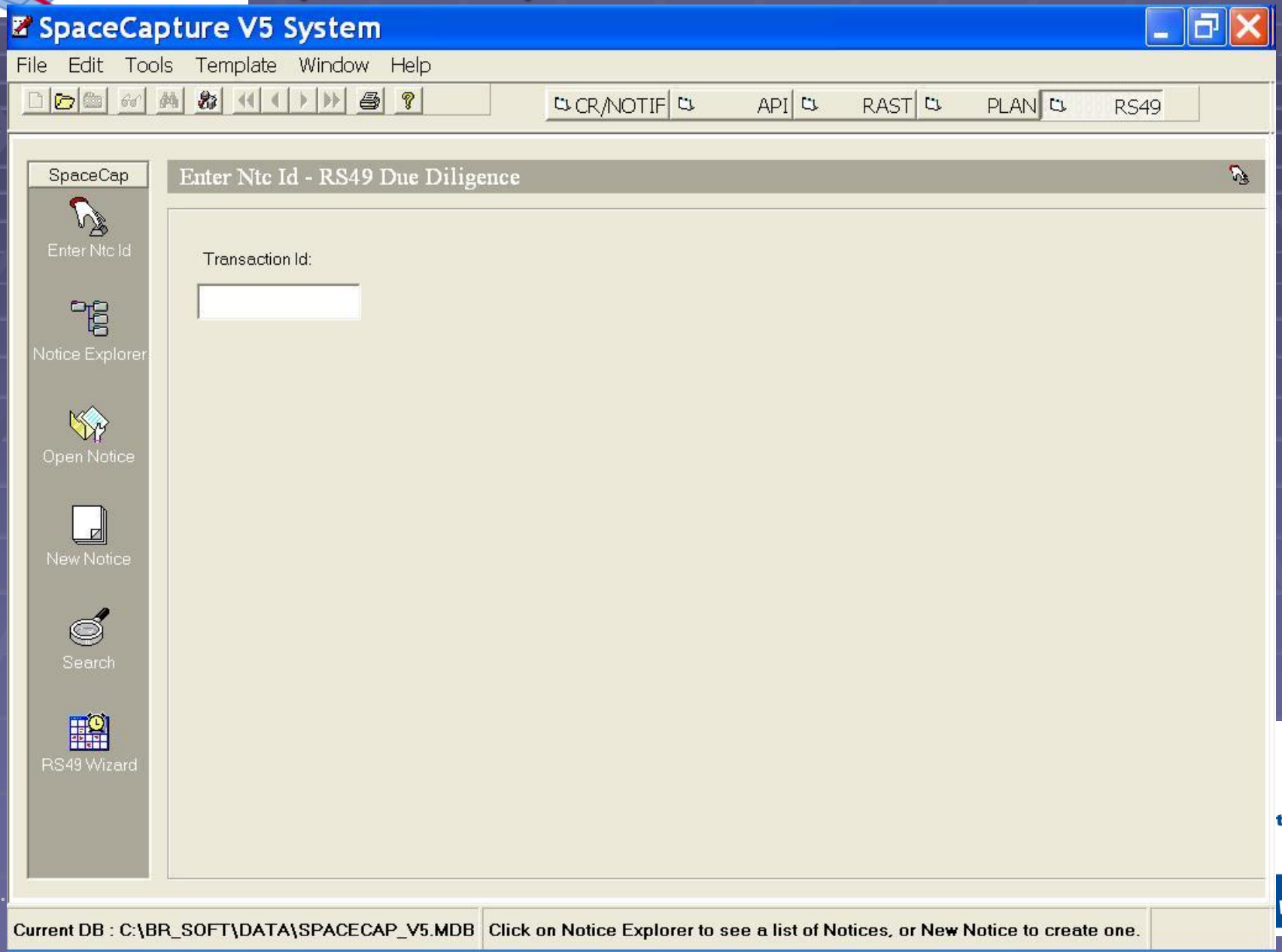
Creation of electronic submissions with SpaceCap software

Scenario:

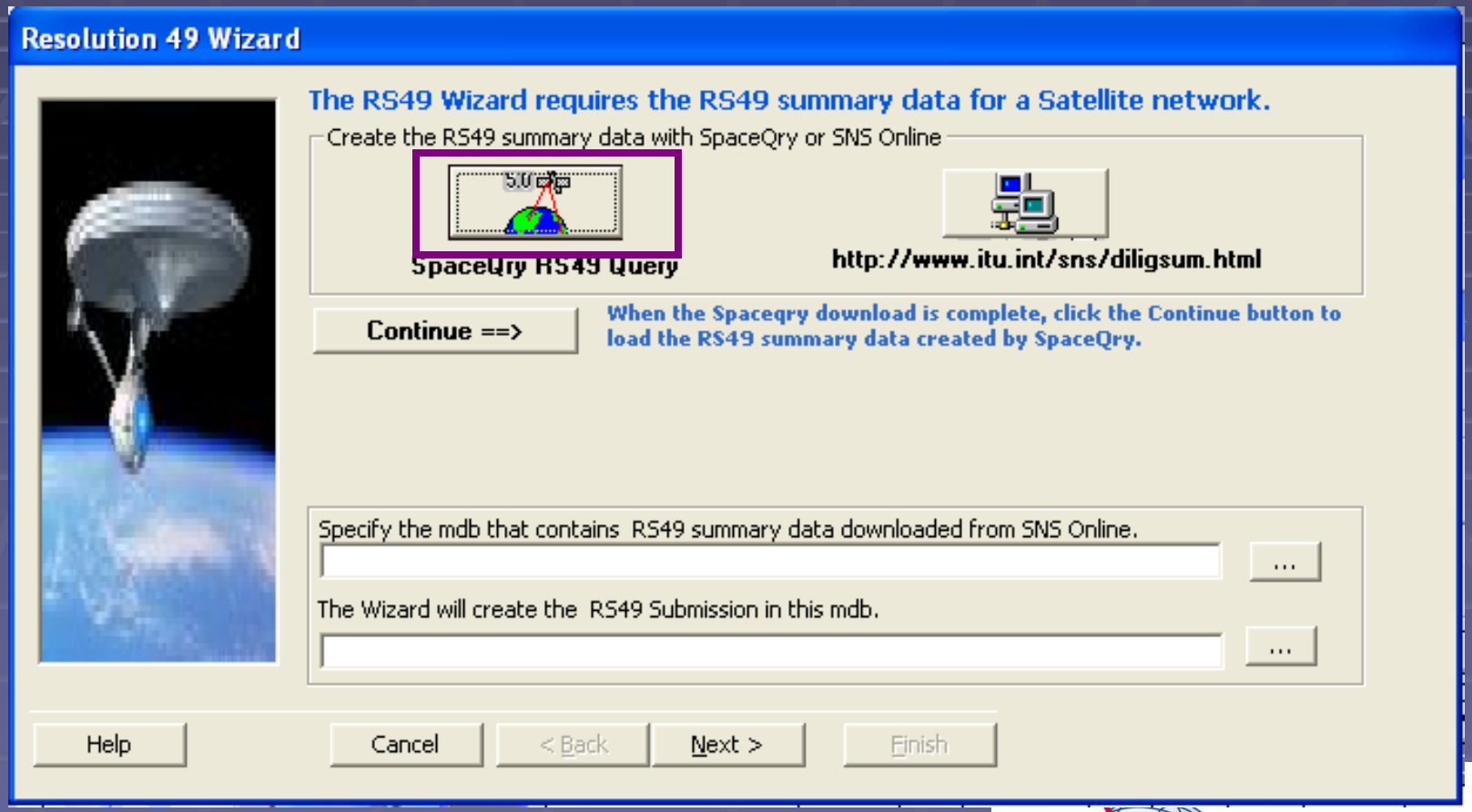
Generation of Res.49 submission for Geostationary Satellite Network (Planned Services) using SpaceCap and SpaceQry

We will Extract data from SPS database
We will generate the submission using SpaceCap's Res.49 Wizard.

Start SpaceCap software for RS49 data



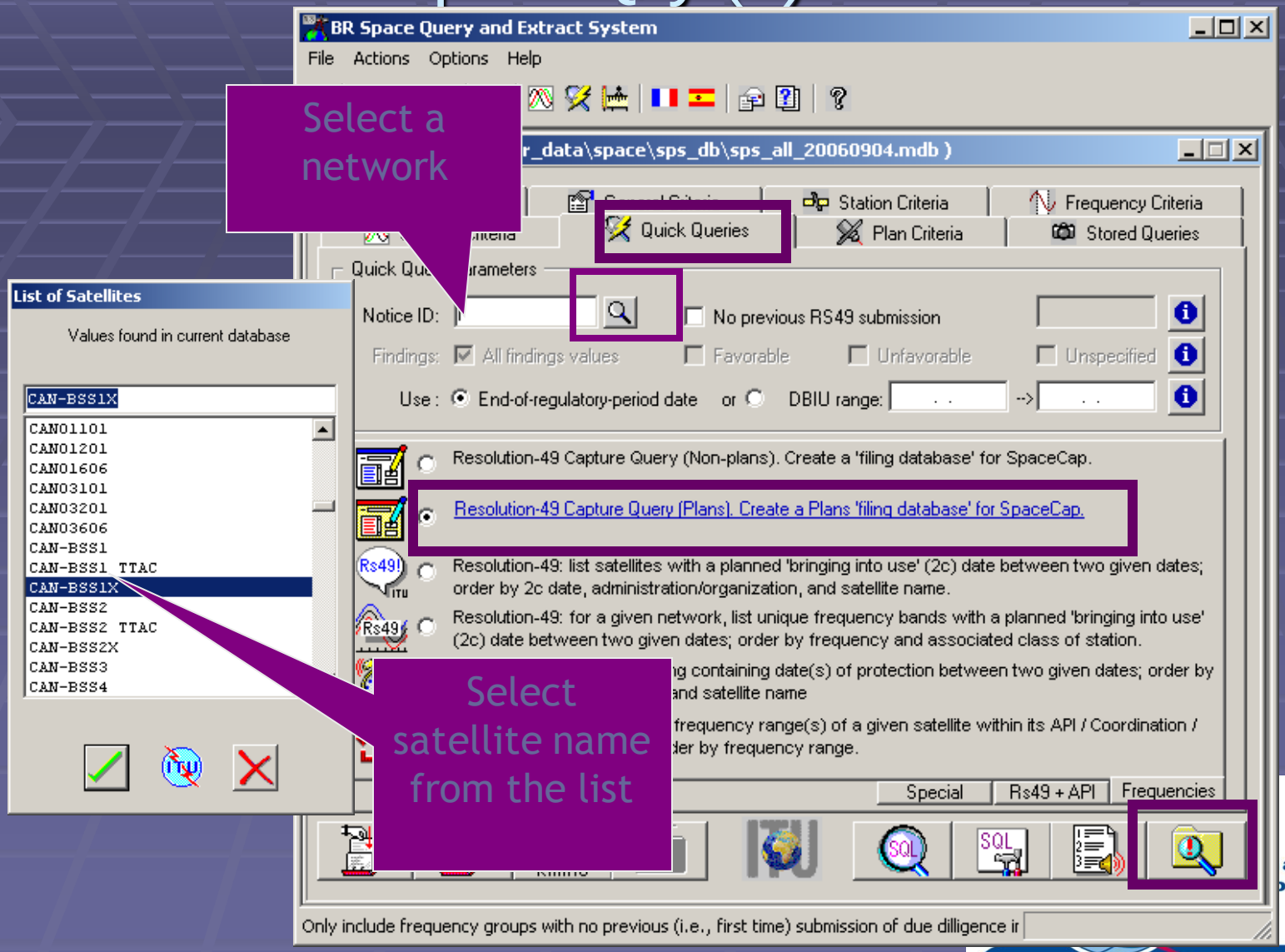
Getting linked notice data via SpaceQry (I)



International Telecommunication Union

Committed to connecting the world

Getting linked notice data via SpaceQry (II)



International Telecommunication Union
Committed to connecting the world

Getting linked notice data via SpaceQry (III)

BR Space Query and Extract System

File View Window Help

Resolution-49 Capture Query

RS49 Search Criteria

Adm Code: Network ID: 106555001 Orbital Position Range:

Sat Type: Notif Reason: 2C-Date Range:

No previous RS49 submission:

RS49 Search Results (total count: 1)

Satellite Name	Orbital Position	Ntc Type	Notice ID	Ntf Rsn	Adm	Org	IFIC / WIC no	Date Wic	+/-	BR Status
CAN-BSS1X	-82.00	G	1065							

RS49 Frequency Rang

Date In Use	Minimum of Band (in MHz)	Maximum (in MH			
30.04.2014	12212.000000	12673.4			
30.04.2014	12226.580000	12687.980000	01.05.2006	2577	05.09.2006
30.04.2014	17312.000000	17773.400000	01.05.2006	2577	05.09.2006
30.04.2014	17326.580000	17787.980000	01.05.2006	2577	05.09.2006

RS49 Capture File Creation

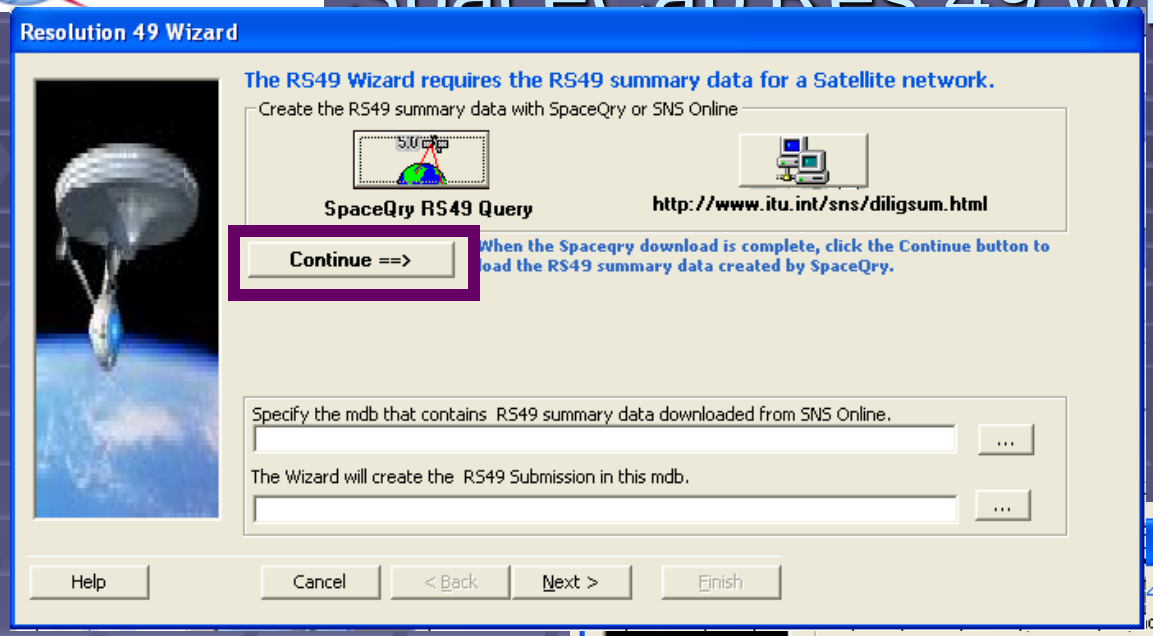
The RS49 Capture database for this network has been created successfully.

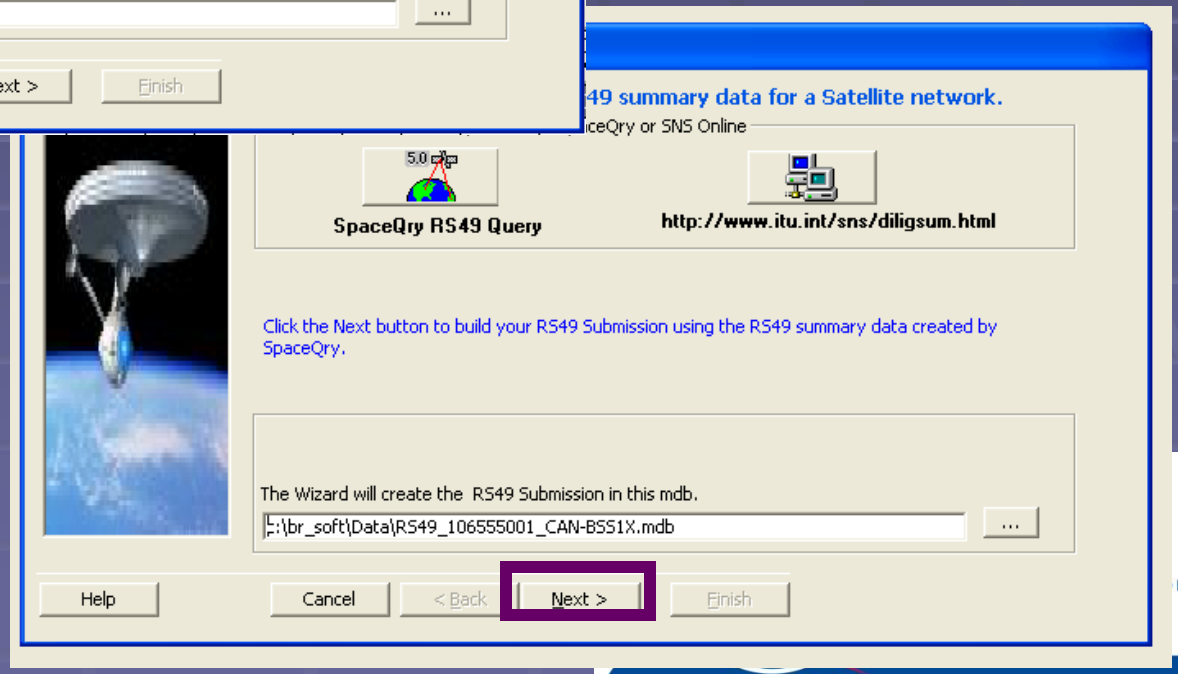
FYI, There is no existing RS49 submission for network: 106555001...

The database has been stored as: C:\BR_SOFT\Data\RS49_106555001_CAN-BSS1X.mdb

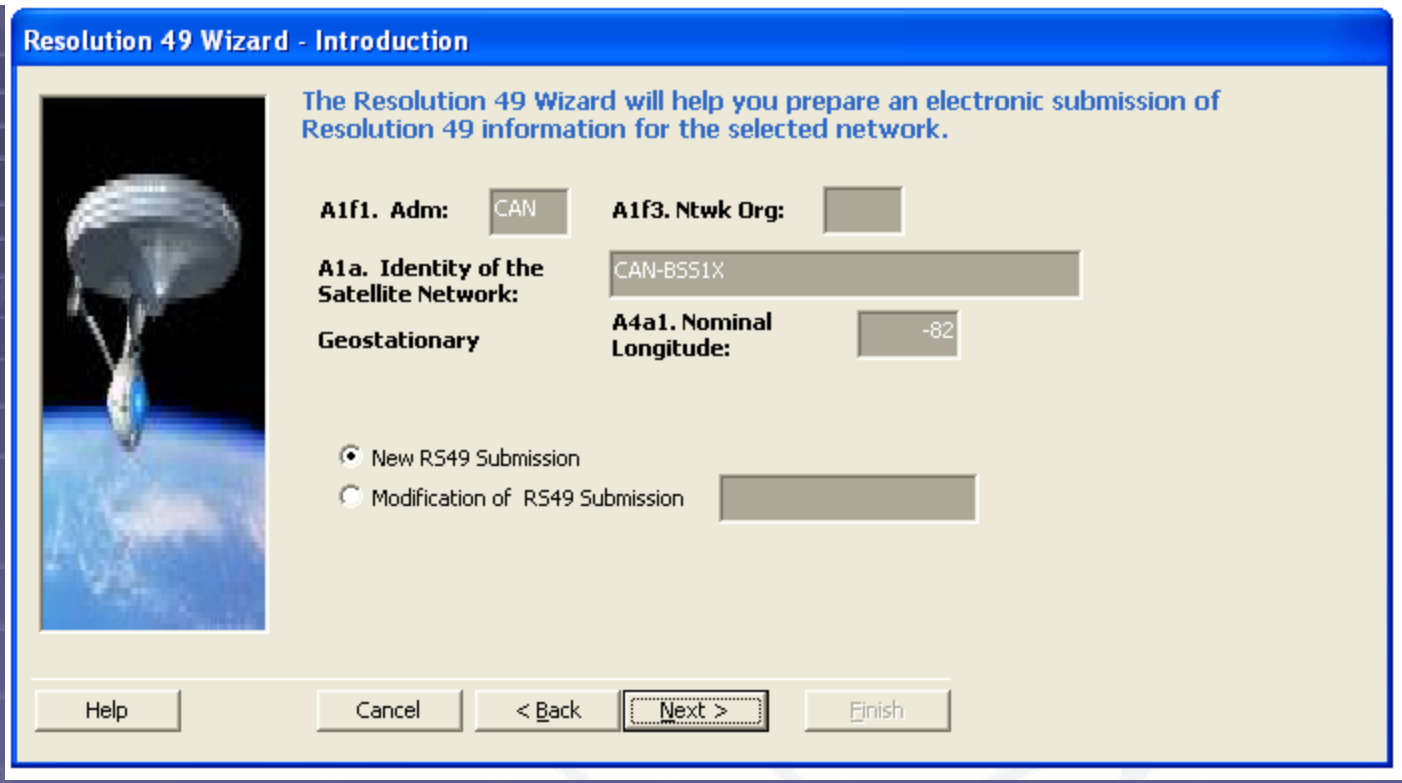
OK

SpaceCap Res 49 Wizard (I)





SpaceCap Res.49 Wizard (II)



International Telecommunication Union

Committed to connecting the world

RS49 Annex 2B - quick Spacecraft Manufacturer data

Resolution 49 Wizard - SpaceCraft Manufacturer

Enter the Spacecraft Manufacturer information for this network.

Ah. Commercial Name of the Satellite: MY COM NAME

Spacecraft Manufacturer

BR70 Name of the Spacecraft Manufacturer: MY MANUFACTURER

BR71 Date of Execution of the Contract: 05.09.2006

BR72 Contractual "Delivery Window"

From 05.09.2006 To 20.09.2007

BR73 Number of Satellites Procured: 2

Note: You can use SpaceCap to add or modify the Manufacturer Information later.

Help | Cancel | < Back | Next > | Finish

International Telecommunication Union
Committed to connecting the world

RS49 Annex 2C - quick Launch services provider data

Resolution 49 Wizard - Launch Services Provider

Enter the Launch Services Provider for this Network.

Launch Services Provider

BR74 Name of the Launch Vehicle Provider: MY LAUNCHER

BR75 Name of the Launch Vehicle: ARIANE 4 OR 5

BR76 Date of Execution of the Contract: 05.09.2007

BR77 Anticipated Launch or In-Orbit "Delivery Window" From 05.09.2007 To 10.09.2007

To clear a date value, uncheck the appropriate checkbox.

BR78 Name of the Launch Facility: KOUROU

A1e3b. Geographical Coordinates

BR79 Country/Location: GUF

Longitude				Latitude			
Degrees	E/W	Min	Sec	Degrees	N/S	Min	Sec
52	W	43	48	5	N	12	0

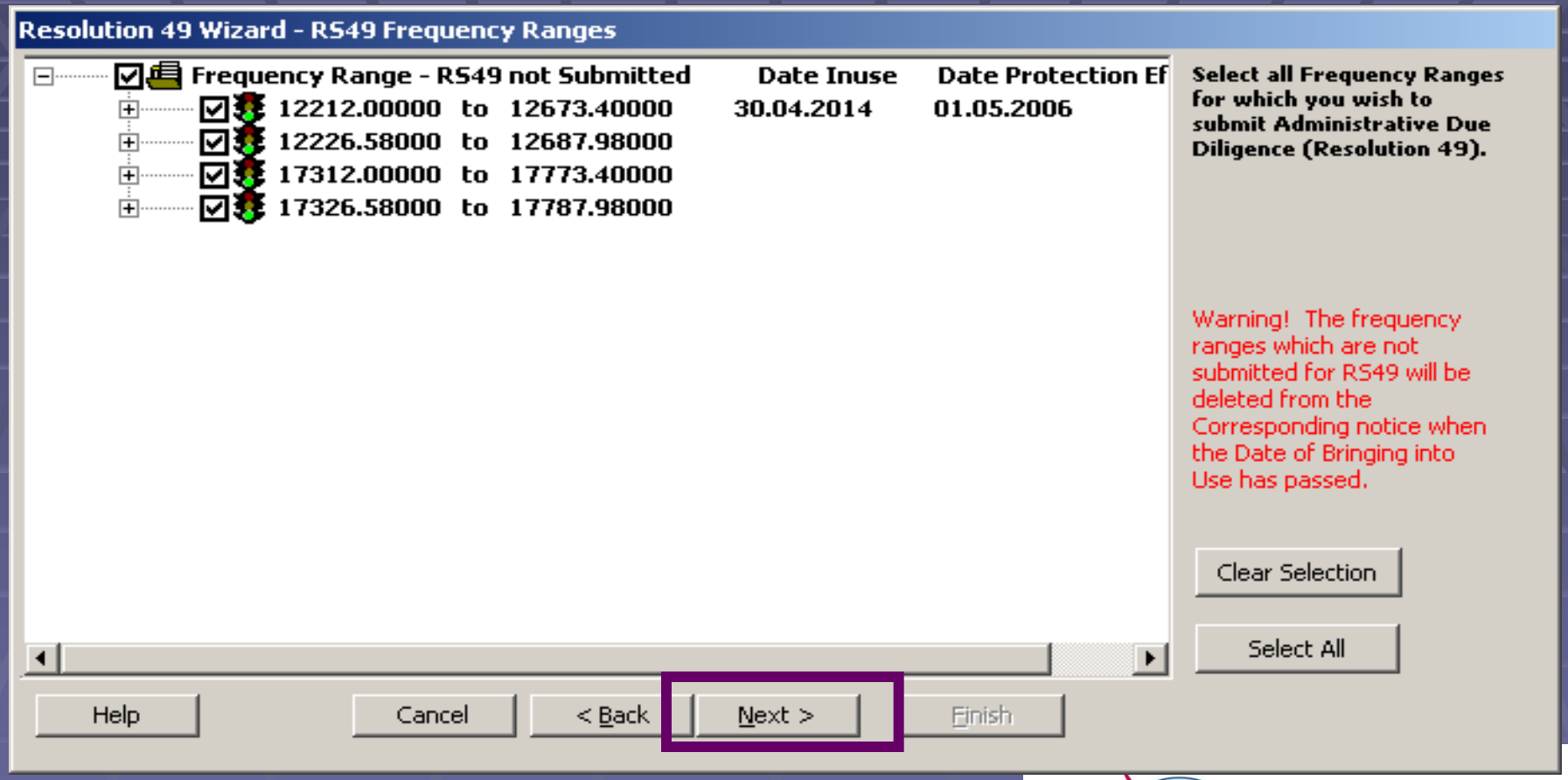
Note: You can use SpaceCap to add or modify the Service Provider Information later.

Help | Cancel | < Back | Next > | Finish

International Telecommunication Union

Committed to connecting the world

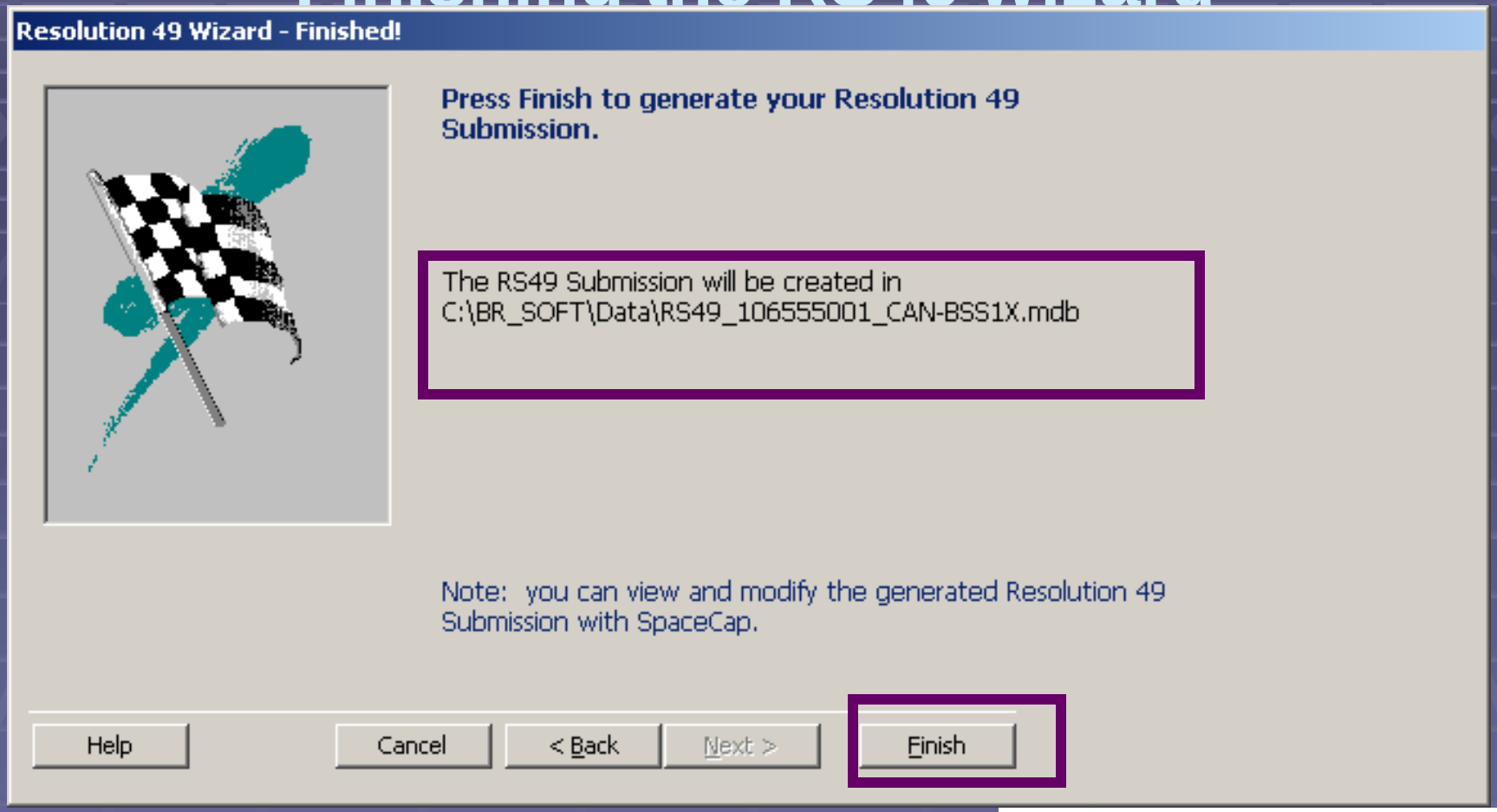
Frequencies covered by the Res.49 Submission…



International Telecommunication Union

Committed to connecting the world

Finishing the RS49 wizard



Committed to connecting the world

Further Information…

Information available on the web for each of the software packages:

SNS-ON-LINE: http://www.itu.int/sns/

SPACEQRY: http://www.itu.int/ITU-R/software/space/spaceqry/

SPACECAP: http://www.itu.int/ITU-R/software/space/spacecap/

Committed to connecting the world