

ITUEvents

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AP30B Part-B submissions

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3 - 7 December, 2018

Processing of AP30B/A6B Submissions (Road Map)



Notifying
Administration



Radiocommunication
Bureau

§6.17 Art.6 AP30B

“Final” characteristics of the assignments
(AP4 + GIMS data) with required agreements



e-Submission
of Satellite Network Filings
(<https://www.itu.int/ITU-R/space/e-submission>)

(see CR/434 of 1st August 2018)



Acknowledgement



§6.18 Art.6 AP30B



Completeness



Reply must be sent within 30 days
(see «Receivability» RoP)
otherwise a new “d_rcv” for the subject notice



Remark: Only requested parameters are subject to modifications

The A6B characteristics are fixed



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§6.19 Art.6 AP30B



Examination:

- List of agreements under §6.6
- Conformity with TFA and other provisions of the RR
- Conformity with Annex 3 to AP30B



Remark: If an assignment receives unfavourable finding the notice is returned to the notifying administration (under §6.20) and resubmission will receive a new d_rcv. No examination under §§ 6.21 and 6.22.

BR recommendations for notifying ADMs:

- a) **“List of agreements under §6.6”** may be submitted



GIMS
data

only **cannot be used**



AP 4.mdb

or



but...

- b) **Conformity with other provisions of the RR** (for example, PFD limits of Art. 21 RR) **and**

Annex 3 to AP30B should be checked by the notifying Administration before its submission to BR

using



GIBC

+



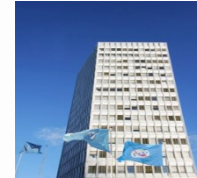
AP30BReport

§6.19 Art.6 AP30B

Processing of AP30B/A6B Submissions (Road Map)



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Remarks:

- a) Submitted assignments to be entered in the List in the event of a favourable finding under §6.21 and §6.22, otherwise **the notice** is returned back to the notifying ADM under §6.24 .
- b) Provision §6.25 **cannot be applied** for allotments in the Plan.

§6.21 Art.6 AP30B

Examination:



- a) Allotments in the Plan
- b) Assignments in the AP30B List (appeared on or before the subject §6.1 submission)
- c) Pending assignments (received on or before the subject §6.1 submission)

BR recommendations for notifying ADMs:

- a) To check which agreements should be provided as indicated in the relevant Special Section A6A published under §6.7;
- b) To check (using the method of Annex 4 to **AP30B**) that there are no allotments / assignments which are still considered as being affected by the assignments of **A6B** submission (*see further explanation*);
- c) To check which assignments have been already suppressed under §6.33, if any;
- d) If necessary, to indicate the ADM names (and satellite networks) in respect of which the provision of §6.25 wishes to be applied, with a signed commitment as requested in §6.26.

§6.21 Art.6 AP30B

How to do exam under §6.21 Art.6 AP30B

The GOAL:

To check (using the method of Annex 4 to **AP30B**) that there are no allotments / assignments which are still considered as being affected by the assignments of A6**B** submission

Databases:

30B_XXXX.mdb + **XXXX_Results.mdb** + **GREFDBXXXX.mdb**

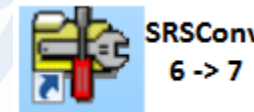
(from the BR IFIC XXXX where A6**A** Special Section of the subject network has been published under §6.7)

6.17_AP30B_data.mdb + **6.17_AP30B_GIMS_data.mdb**

(Final (A6**B**) characteristics of the assignments under consideration as created by notifying ADM)

BR Space Software:

For A6**A** published before 2013



+



BR-SIS SRSCov

For A6**A** published before 2016



BR-SIS SRSCov

For ALL A6**A**



SpaceCap

+



GIMS

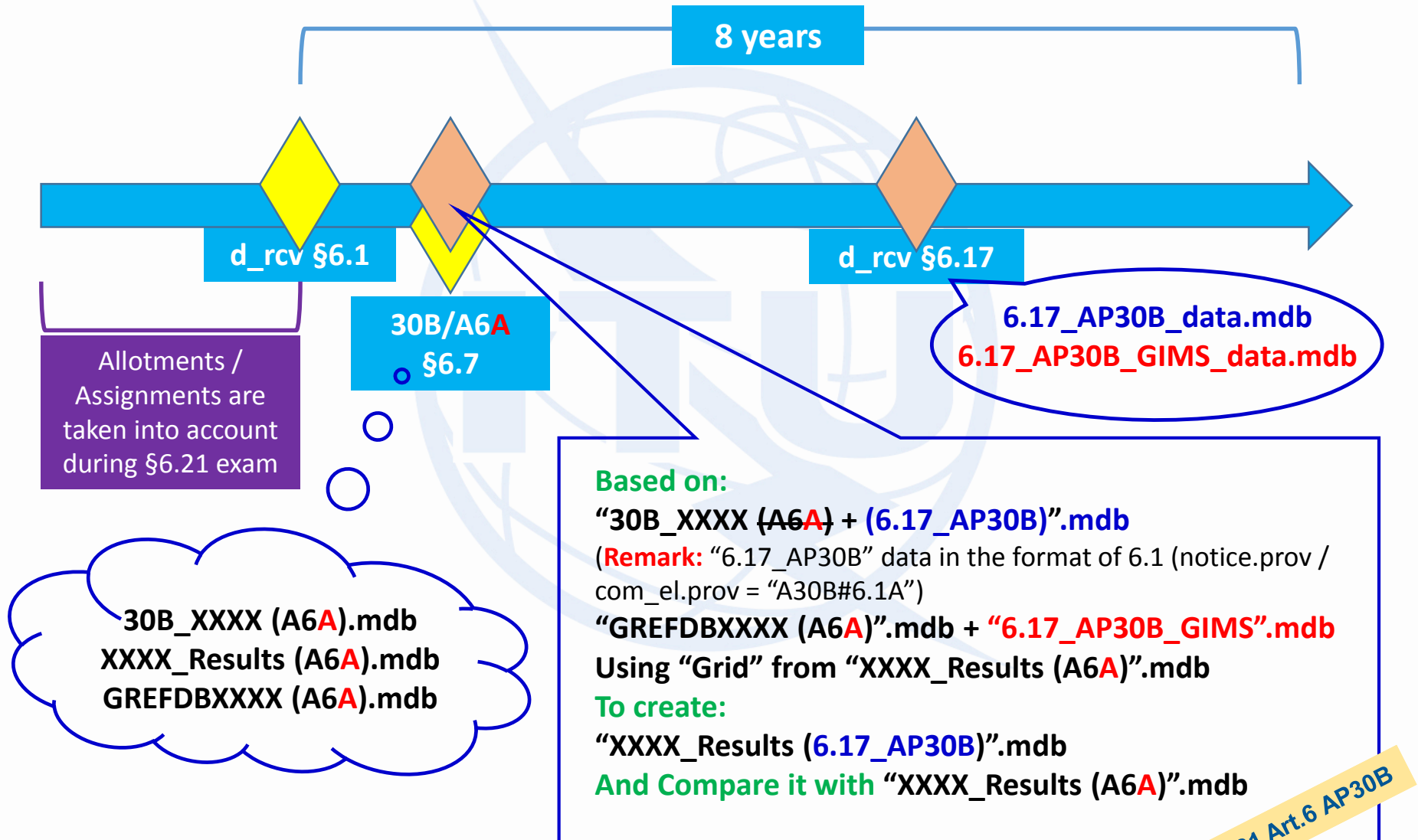
+



GIBC

§6.21 Art.6 AP30B

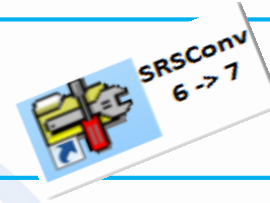
How to do exam under §6.21 Art.6 AP30B



How to do exam under §6.21 Art.6 AP30B

1st Step

Upgrade 30B_XXXX (A6A).mdb up to v8



2nd Step

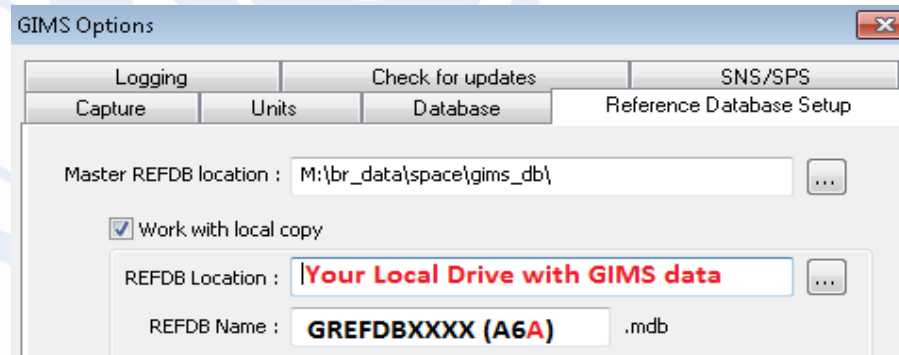
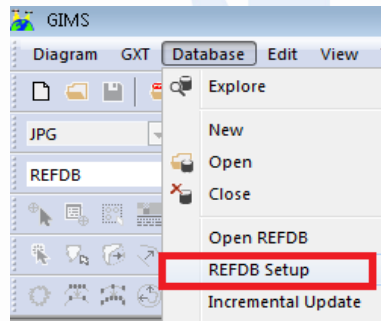
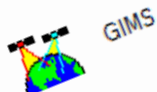
Replace A6A data with “6.17_AP30B_data” in 30B_XXXX (A6A).mdb and remove all other notices with d_rcv > d_rcv the subject A6A, if any



“30B_XXXX (A6A)” .mdb => “30B_XXXX (A6A) + (6.17_AP30B)” .mdb

3rd Step

Establish “GREFDBXXXX (A6A)” .mdb as a RefDB



Remark:

For A6A published before 2012 “GREFDBXXXX (A6A)” .mdb =  + BR IFIC updates

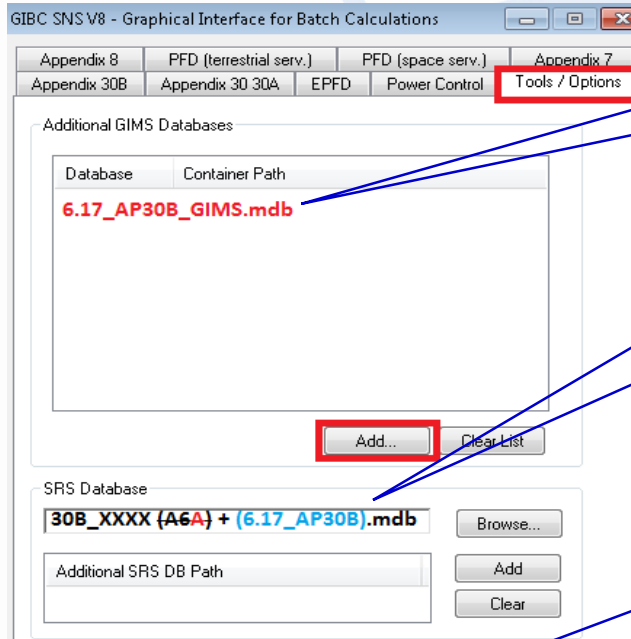
§6.21 Art.6 AP30B

How to do exam under §6.21 Art.6 AP30B

4th Step

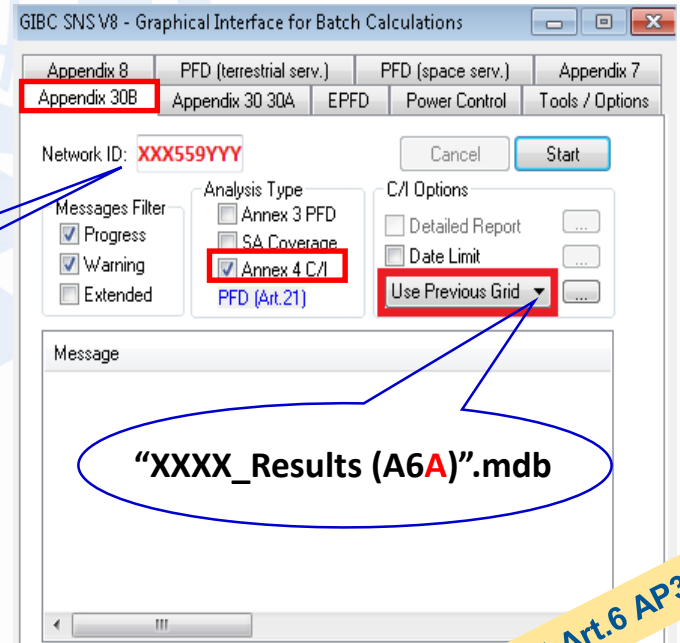


Make databases connection properly in GIBC



6.17_AP30B_GIMS_data ONLY

Common
30B_XXXX (A6A) + (6.17_AP30B)
data



Network ID (XXX59YYY)
under examination

“XXXX_Results (A6A)”.mdb

How to do exam under §6.21 Art.6 AP30B

5th Step

Compare A6A examination Results (from XXXX BR IFIC) with ...

A6A_from XXXX							
A5	Alf1	Alf3	BR80	Ala Sat. Network /	BR6a	A4a1	BR79
Coordinations	Notifying adm.	Inter. sat. org.	Status of identified network	Alb Plan beam identification	Id. no.	Orbital long.	Max. degradation
App 30B, Art 6, § 6.2 - Annex 4							
§2.1 (6/4 GHz)	Néant / None / Ninguna / 无 / Her / لا يوجد						
§2.1 (13/10-11 GHz)	IRQ		Allotment	IRQ00000	90558110	65.45 E	0.138
§2.2 (6/4 GHz)	HOL		Pending	NSS-FSS 57E	107559030	57 E	11.116
§2.2 (13/10-11 GHz)	EGY		Allotment	EGY00000	90558073	67.11 E	4.606
	ETH		Allotment	ETH00000	90558075	58.3 E	19.071
	HOL		Pending	NSS-FSS 57E	107559030	57 E	23.804
	IRQ		Allotment	IRQ00000	90558110	65.45 E	3.564
	ISR		Pending	AMS-30B-65E	109559008	65 E	14.783
	PAK		Allotment	PAK00000	90558161	56.5 E	7.879
§2.3 (6/4 GHz)	HOL		Pending	NSS-FSS 57E	107559030	57 E	1.728
§2.3 (13/10-11 GHz)	ETH		Allotment	ETH00000	90558075	58.3 E	13.507
	HOL		Pending	NSS-FSS 57E	107559030	57 E	7.576
	ISR		Pending	AMS-30B-65E	109559008	65 E	7.857
	LUX		Pending	LUX-30B-G3-63E	105559039	63 E	0.563
	PAK		Allotment	PAK00000	90558161	56.5 E	2.1

§6.21 Art.6 AP30B

How to do exam under §6.21 Art.6 AP30B

5th Step

A6B examination Results

A6B (as A6A) in XXXX								
A5	A1f1	A1f3	BR80	A1a Sat. Network /	BR6a	A4a1	BR79	
Coordinations	Notif. adm.	Inter. sat. org.	Status of identified network	A1b Plan beam identification	Id. no.	Orbital long.		
<i>App.30B, Art.6, § 6.5 - Annexe 4</i>								
§2.1 (6/4 GHz)	Néant / None / Ninguna / 无 / Her / لا يوجد							
§2.1 (13/10-11 GHz)	Néant / None / Ninguna / 无 / Her / لا يوجد							
§2.2 (6/4 GHz)	Néant / None / Ninguna / 无 / Her / لا يوجد							
§2.2 (13/10-11 GHz)								
	ETH		Allotment	ETH00000	90558075	58.3 E	18.968	6.15
	HOL		Pending	NSS-FSS 57E	107559030	57 E	23.703	6.25
	ISR		Pending	AMS-30B-65E	109559008	65 E	14.68	6.25
§2.3 (6/4 GHz)	Néant / None / Ninguna / 无 / Her / لا يوجد							
§2.3 (13/10-11 GHz)	ETH		Allotment	ETH00000	90558075	58.3 E	13.406	6.15
	HOL		Pending	NSS-FSS 57E	107559030	57 E	7.493	6.25
	ISR		Pending	AMS-30B-65E	109559008	65 E	7.773	6.25
	LUX		Pending	LUX-30B-G3-63E	105559039	63 E	0.552	SUP 2762

§6.21 Art.6 AP30B

Processing of AP30B/A6B Submissions (Road Map)



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Remarks:

- Submitted assignments to be entered in the List in the event of a favourable finding under §6.21 and §6.22, otherwise **the notice** is returned back to the notifying ADM under §6.24 .
- Provision §6.25 **cannot be applied** for allotments in the Plan.

§6.22 Art.6 AP30B

Examination:



- Allotments in the Plan
- Assignments in the AP30B List (appeared before the subject §6.17 submission)
- Pending assignments (received before the subject §6.17 submission)

BR recommendations for notifying ADMs:

- To check (using the method of Annex 4 to **AP30B**) whether there are allotments / assignments which may be considered as affected by the assignments of **A6B** submission (*see further explanation*);
- If necessary, to indicate the ADM names (and satellite networks) in respect of which the provision of §6.25 wishes to be applied, with a signed commitment as requested in §6.26.

§6.22 Art.6 AP30B

How to do exam under §6.22 Art.6 AP30B

The GOAL:

To check (using the method of Annex 4 to **AP30B**) whether there are allotments / assignments which may be considered as affected by the assignments of A6B submission

Databases:

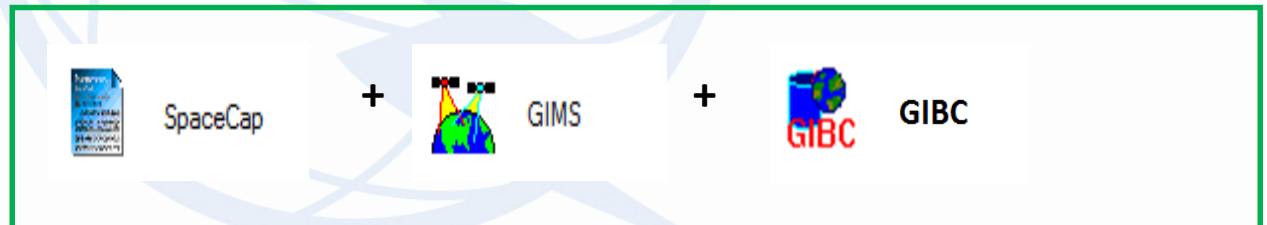
30B_YYYY.mdb + **GREFDBYYYY.mdb**

(from the last officially published BR IFIC YYYY)

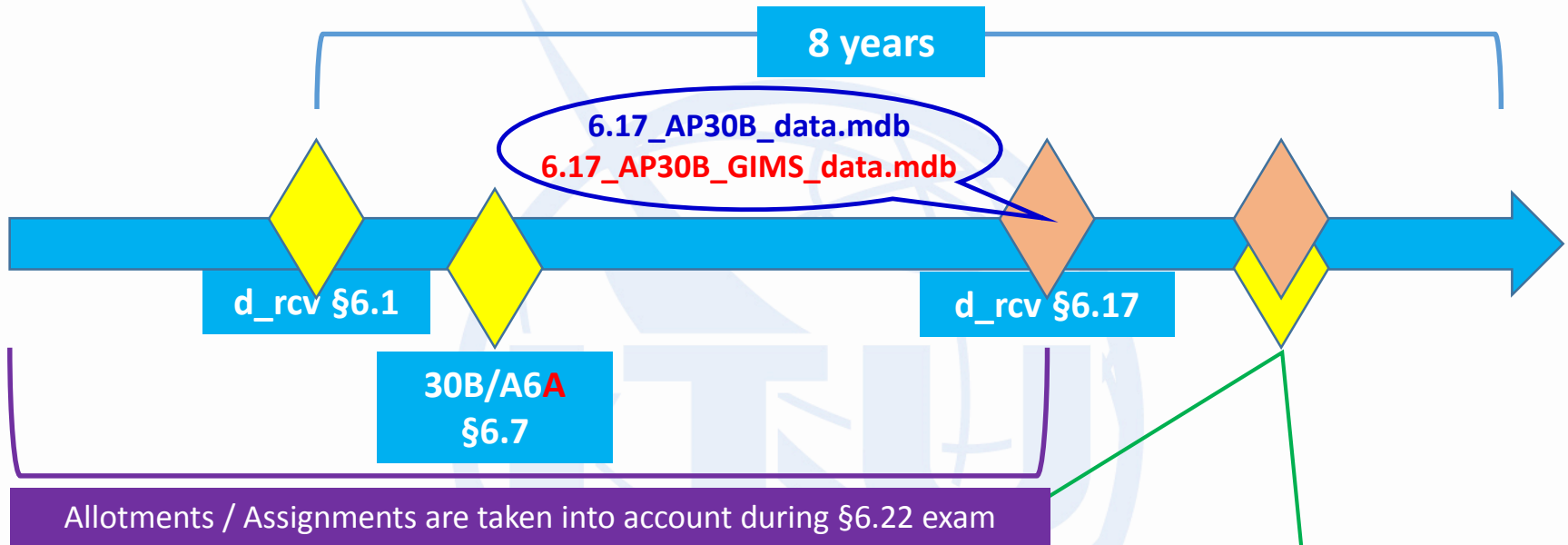
6.17_AP30B_data.mdb + **6.17_AP30B_GIMS_data.mdb**

(Final (A6B) characteristics of the assignments under consideration as created by notifying ADM)

BR Space Software:



How to do exam under §6.22 Art.6 AP30B



1. Based on:

"30B_YYYY (A6A)".mdb

"GREFDBYYYY (A6A)".mdb

Create:

"YYYY_Results (A6A)".mdb

2. Based on:

"30B_YYYY (A6A)+ (6.17_AP30B)".mdb

(Remark: "6.17_AP30B" data in the format of 6.1
(notice.prov / com_el.prov = "A30B#6.1A")

"GREFDBYYYY (A6A)".mdb + "6.17_AP30B_GIMS".mdb

Create:

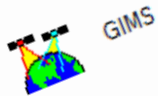
"YYYY_Results (6.17_AP30B)".mdb

3. Compare Results "YYYY_Results (A6A)".mdb with "YYYY_Results (6.17_AP30B)".mdb

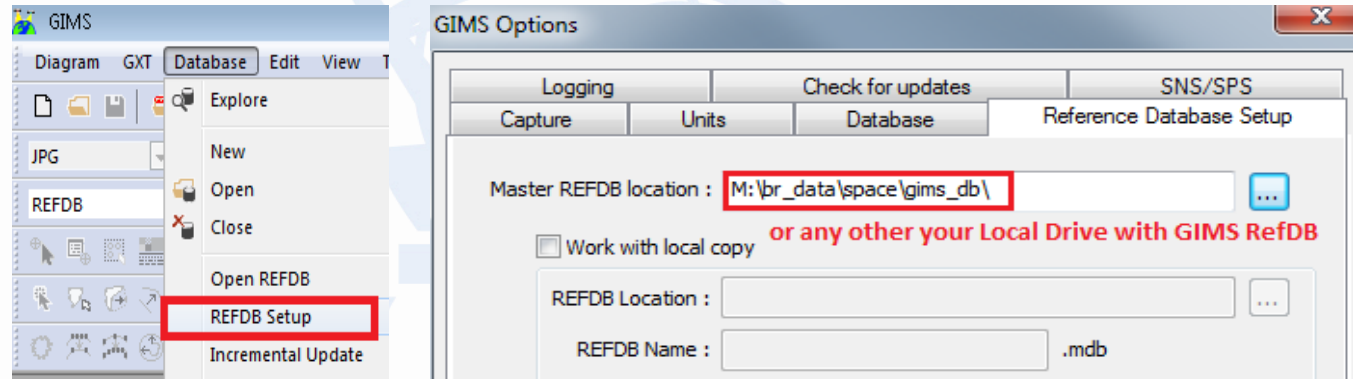
§6.22 Art.6 AP30B

How to do exam under §6.22 Art.6 AP30B

1st Step



Be sure that you use the latest available “GREFDBYYYY (A6A)”.mdb as GIMS RefDB



2nd Step

Be sure that you use the latest available “30B_YYYY (A6A)”.mdb file. The “YYYY” numbers (of GIMS and AP4.mdb files) SHALL be the same!

Make a copy of this file with a name “30B_YYYY_6.17_AP30B”.mdb

3rd Step



Replace A6A data on “6.17_AP30B_data” in “30B_YYYY_6.17_AP30B”.mdb file.

“30B_YYYY (A6A)”.mdb => “30B_YYYY (~~A6A~~) + (6.17_AP30B)”.mdb

§6.22 Art.6 AP30B

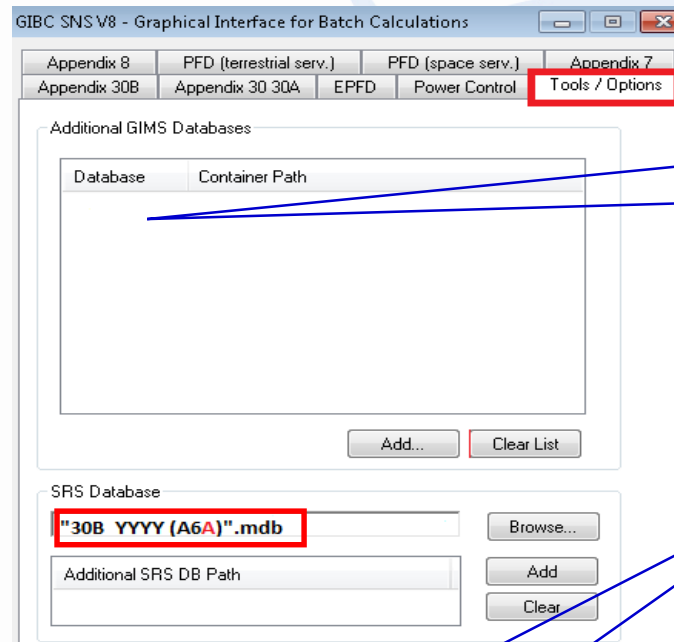
How to do exam under §6.22 Art.6 AP30B

4th Step



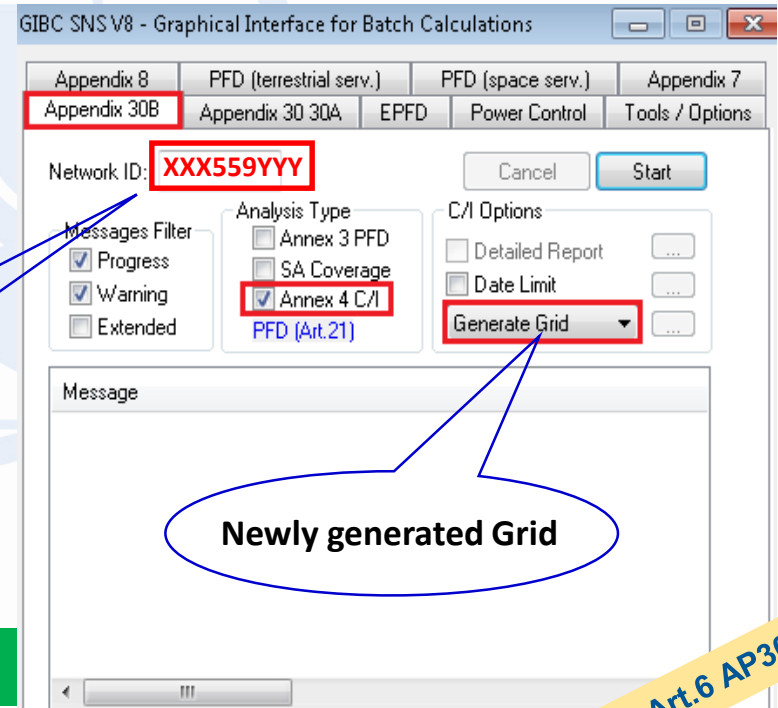
Make databases connection properly in GIBC and Start Calculation #1

(based on §6.1 (A6A))



"Empty" due to "GREFDBYYYY (A6A)".mdb has been already connected through GIMS (see 1st Step)

Network ID (XXX59YYY) under examination



Newly generated Grid

Result #1 is "YYYY_Results (A6A)".mdb

§6.22 Art.6 AP30B

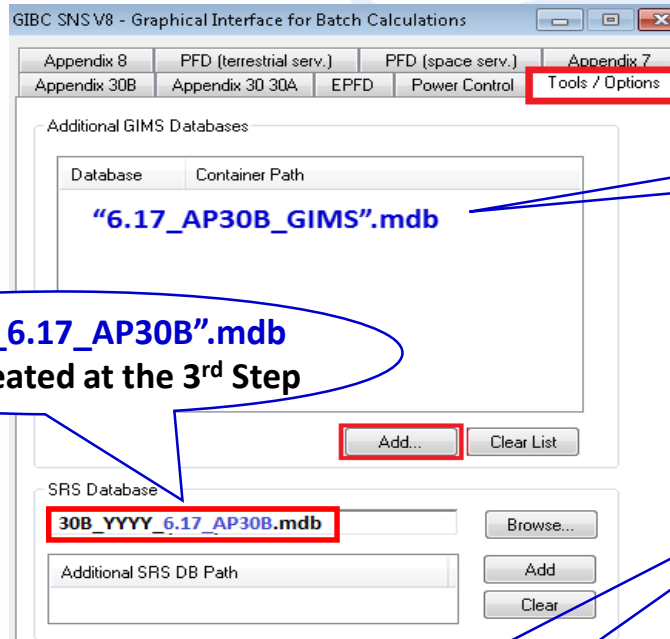
How to do exam under §6.22 Art.6 AP30B

5th Step



Make databases connection properly in GIBC and Start Calculation #2

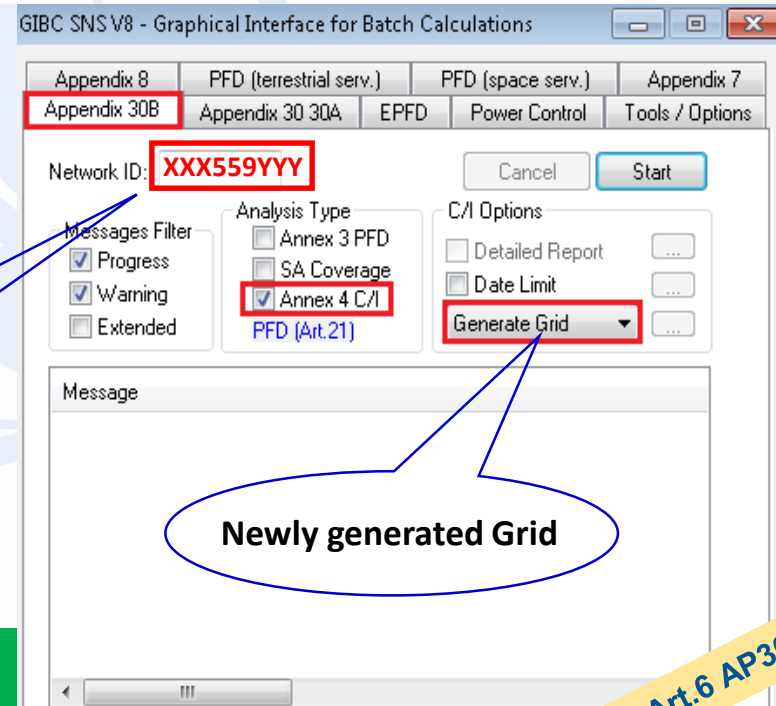
(based on §6.17 (A6B))



“6.17_AP30B_GIMS”.mdb
in addition to GIMS RefDB

“30B_YYYY_6.17_AP30B”.mdb
has been created at the 3rd Step

Network ID (XXX59YYY)
under examination



Newly generated Grid

Result #2 is “YYYY_Results (6.17_AP30B)”.mdb

§6.22 Art.6 AP30B

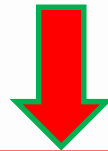
How to do exam under §6.22 Art.6 AP30B

6th Step

Compare Results of Calculation #1 and Calculation #2

Calculation #1
"YYYY_Results (A6A)".mdb

Calculation #2
"YYYY_Results (6.17_AP30B)".mdb



Remarks:

1. The subject of checking is the value of uplink and downlink single-entry C/I.
2. There is **no BR Software** for this action.



Where?!

AP30B Annex 4 C/I calculation results
(see Table: "ap30b_clc_res" for = "XXX559YYY" / "XXX559YYY")

What?!

- List of potentially affected networks ("XXX559YYY" >= "XXX559YYY")
(It means that there is no new network which is identified as affected in "YYYY_Results (6.17_AP30B)".mdb only)

- Y (affected) / N (not affected) at the Test Point (P) or Grid Point (G)

=

How?!

Exam under §6.22 is favourable: - if the values of for the all networks listed in the "YYYY_Results (A6A)".mdb are less or equal to the values for these networks in the "YYYY_Results (6.17_AP30B)".mdb

§6.22 Art.6 AP30B

Processing of AP30B/A6B Submissions

Thank you for your attention!



Any question?

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