RECEIVABILITY OF SPACE NOTICES

Space Regulatory Workshop

5-9 December 2011

Niamey, NIGER

International Telecommunication Union

Committed to connecting the world

RECEIVABILITY OF THE NOTICES

- **Entry examination of the notice received by the Bureau**
  - Submission of information in electronic format (RES **55**)
  - in application of the Radio Regulations
  - in application of the Rules of Procedures (ROP) approved by the RRB concerning the ***Receivability*** of forms of notice – see paragraphs *3.2* - *3.4* of the **ROP** vis à vis mandatory information
    - ***its completeness*** (Annex 2 of AP **4**) and
    - ***Correctness***
    - ***use of the BR validation software by the ADM***

- ***Result of the entry examination***
  - ***Acknowledgment*** by the Bureau
  - Confirmation of the Bureau registry date - establishment of the ***formal regulatory date of receipt***

RECEIVABILITY OF THE NOTICES

Basic ROP related to the Receipt of notices - BR registry date

- **ROP** *2 - It is incumbent on all ADM to meet deadlines established in the RR and, accordingly, to take account of possible mail delays, holidays or periods during which ITU may be closed.*
- Having regard to the various means available for transmission and delivery of notices and other related correspondence:
  - Mail received through the postal service shall be recorded as received on the first working day (following the period of closure) on which it is delivered to the BR's office registry
  - E-mail or telefax documents shall be recorded as received on the actual date of receipt, irrespective of whether or not that is a working day at the BR's offices in Geneva
  - **In the case of E-mails, an administration is required to send, within 7 days of the date of the E-mail, a confirmation by either telefax or mail which shall be regarded as being received on the same date as the original E-mail.**

RECEIVABILITY OF THE NOTICES

Basic ROP related to submission of the notices

- All mail must be sent to the following address:

  Radiocommunication Bureau
  ITU
  Place des Nations
  CH-1211 Geneva 20
  Switzerland

- All telefaxes must be sent to: **+41 22 730 5785** (several lines)

- All E-mail must be sent to: ***brmail@itu.int***
  - Information received in the BR Registry by E-mail shall be acknowledged immediately by E-mail from the BR mail server (*If such acknowledgment message is not received, administration should contact the BR by FAX)*
  - In case of E-mail submission a confirmation by telefax or letter is required from the Administration within 7 days of the date of the E-mail
  - *Administration shall not use the BR staff E-mail address for submission of their notices to the BR Registry.*

RECEIVABILITY OF THE NOTICES

Establishment of Date of Receipt (1)

- **Formal date of receipt** is established when the Bureau confirms that the ***information*** submitted is
  - ***complete*** and
  - checks the *correctness* (using the BR validation soft)

- Accordingly, where a notice *does not contain all of the mandatory information* as defined in the AP **4** of the RR, or for example - *the email from ADM is without attached data or a letter with an empty CD-ROM etc…,* further processing of the notice will remain in abeyance and *a date of receipt will not be established until the missing information is received*

- If all mandatory data have been submitted and further clarification is required concerning the correctness of the mandatory data, the Bureau shall request the ADM to provide the clarification within 30 days.

RECEIVABILITY OF THE NOTICES

Establishment of Date of Receipt (2)

- If the information is received within the 30 days period, the original date of receipt is retained, otherwise, a new date of receipt will be established
- Nevertheless, for replies received within the above period of 30 days, ***a new*** formal date of receipt is established in those cases (or for the concerned part of the network) where the information submitted subsequently is outside the scope and beyond the objective of the Bureau's enquiry, if the new or modified data has impact on the regulatory and technical examination, irrespective of whether the newly provided information adds new affected administrations or not
- The Bureau is keeping any pending submission containing incomplete information for one year.

Establishment of Date of Receipt (3)

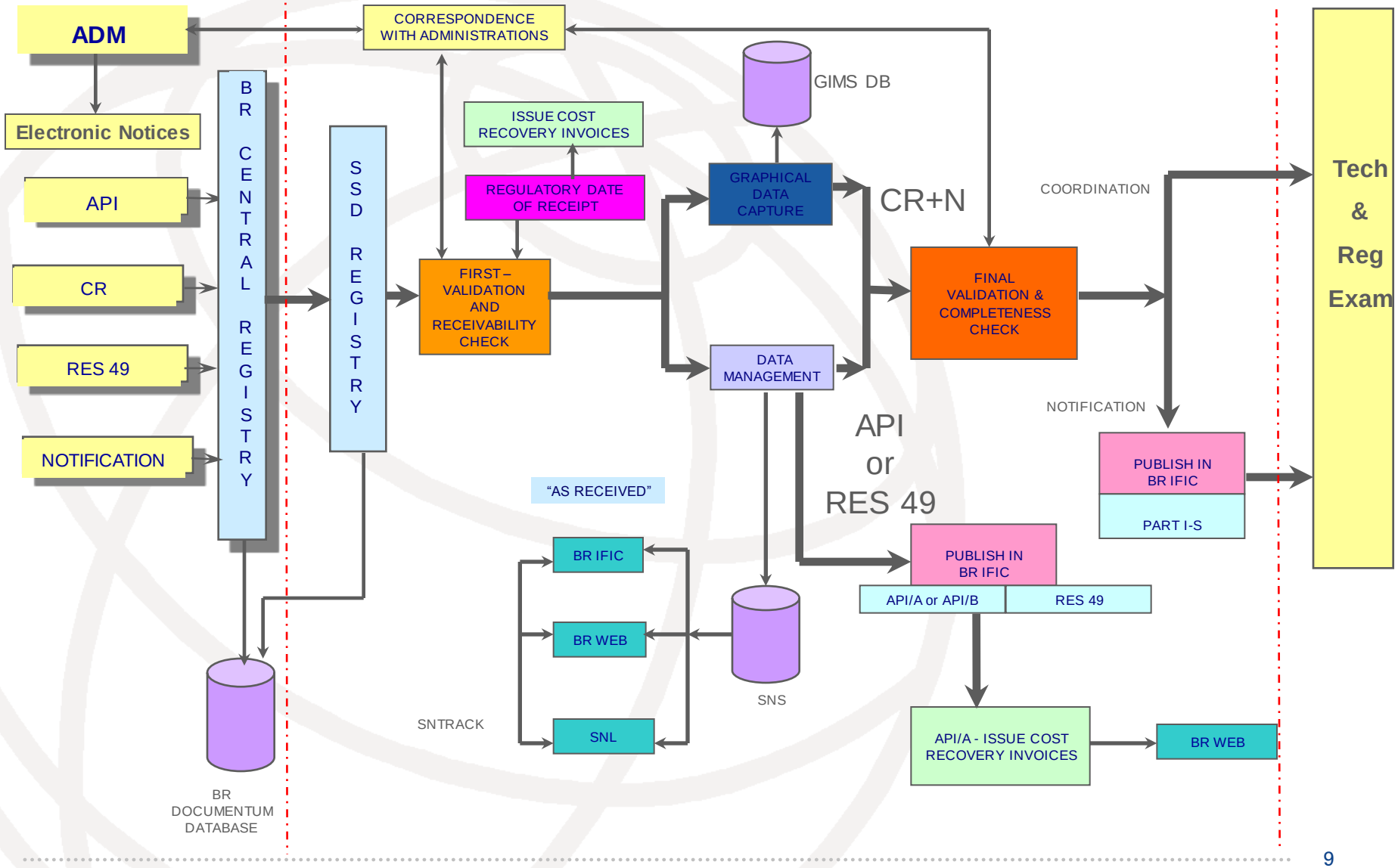
- When a *Coordination request* or *Notification* is communicated to the BR at the same time as the **API**, the ***formal date of receipt*** of this information (No. **9.1**) is established as follows:
  - For the Assignments that require coordination under Sect II of Article **9**
    - 6 months after the date of receipt of **API**
  - For the Assignments that do not require coordination under Sect II of Article **9**
    - 6 months after the date of publication of **API**

RECEIVABILITY OF THE NOTICES

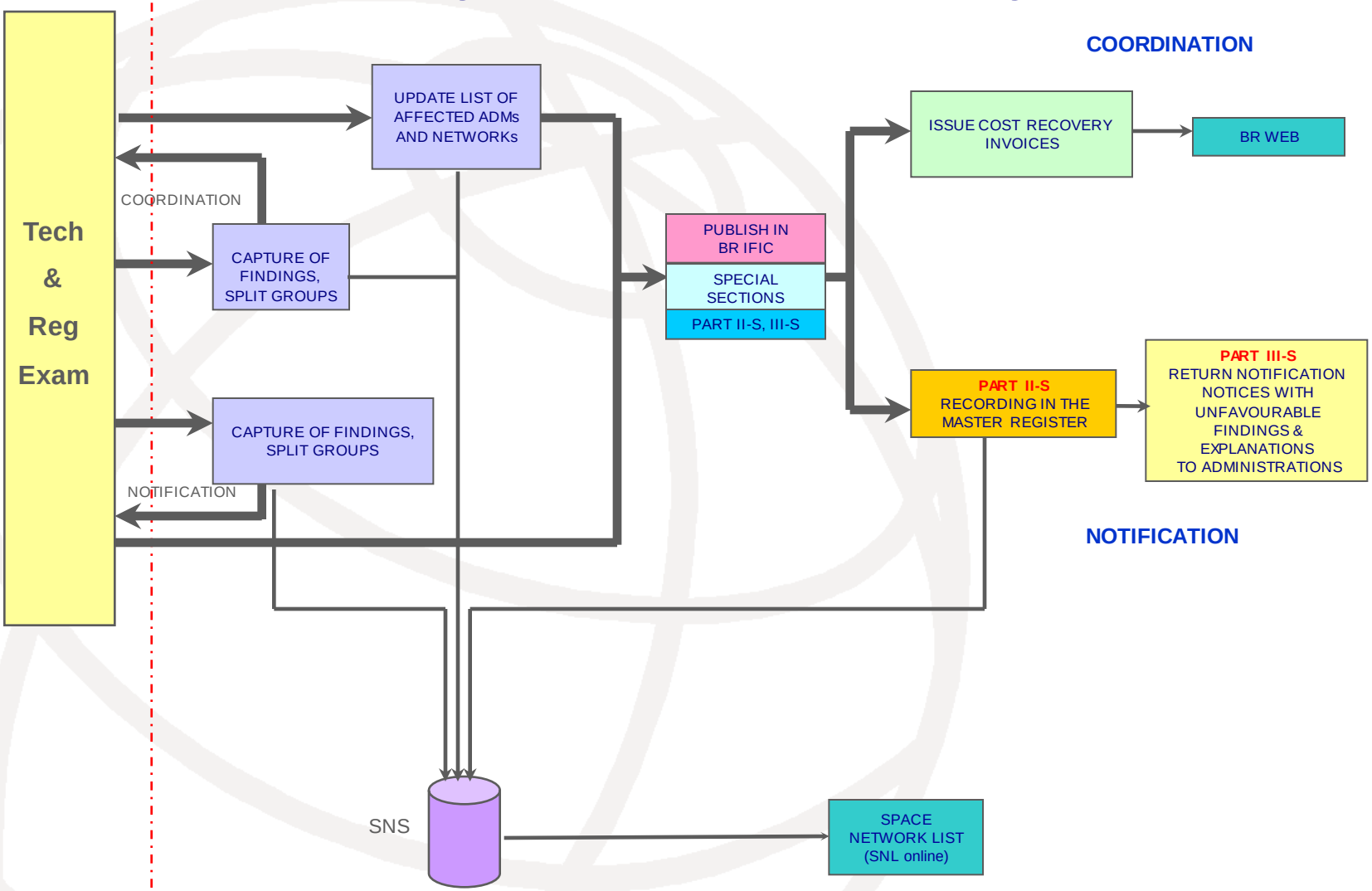
List of "as received"

- Coordination Requests or Notifications "as received" are made available by the BR within 30 days (RES **55**)
  - BR IFIC (Space services) CD-ROM
  - This information can also be monitored through the ITU website ITU ➔ Radiocommunication ➔ Space Services ➔ BR IFIC ➔ List of information "as received" ➔ **SNL PART-C** at: http://www.itu.int/ITU-R/space/snl/
  - This advance version of the information received from the ADM with a *date of receipt in the registry of the Bureau* is not to be confused with the official publication of the relevant PART or Special section with a ***formal date of receipt*** which is yet to occur

Processing of Satellite Network Filings - *RECEIVABILITY*



Processing of Satellite Network Filings – *PUBLICATION*



API (1)

- API phase is ***obligatory***, before coordination phase or notification
- No priority in being first to start advance publication
- Starts the ***"regulatory clock"***

RECEIVABILITY OF THE NOTICES

API (2)

- Relevant Rules of Procedure (ROP) on *Receivability*
  - **1**: electronic filing (*resolves 5* of RES**55**)
  - **3.2**: completeness (Annex 2 of AP **4)** and correctness of the information
  - **3.4:** Administrations are encouraged to run the validation software themselves in order to overcome any difficulties in the notices before they are submitted to the Bureau.
  - **4.1**: ***API*** *not earlier then 7 years before dBiU*
- Select the proper notice form
  - AP4/V: coordination not required (non-GEO)
  - AP4/VI: coordination required (GEO, non-GEO)
  - mixed

RECEIVABILITY OF THE NOTICES

API (3)

- Submission of MOD is required and the API have to be recorded with a

  ***new date of receipt (No. 9.2)*:**

  - for *new frequency band(s)*
  - for a change of GSO orbital location by *more than +/- 6 degrees*
  - if *no CR within 24 months* from **API** receipt (No. **9.5D** apply)

RECEIVABILITY OF THE NOTICES

Coordination Request (1)

- No. **9.1** - CR shall be considered as having been received not earlier than 6 months after date of reception of the **API**
- No. **9.2** Check modification of the orbital position whether *not more than* +/-6 degrees vis-à-vis the **API**
- No. **9.5D** - CR is received within 2 years after the date of reception of the **API** (frequency bands!)
- Check date of bringing into use (dBiU) with respect to No. **11.44**
  - max 7 years after date of receipt of the **API**
  - *special case* - max. 9 years after the date of publication of the **API** if it was received prior to 22.11.1997

RECEIVABILITY OF THE NOTICES

Coordination Request (2)

- **Validation of graphical data**
  - ART **5** (Regional service area restrictions)
  - AP**4** and CR 58 and IFRB Circular Letter 769
    - Steerable beams (No. **1.191**, AP**4** B.3.b)
    - The maximum co-polar isotropic gain, in dBi is required where a steerable beam (see No. **1.191**) is used
  - GSO diagrams (AP**4** B.3.e)
    - if the space station is operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction
  - Check with respect to **ROP**
    - No. **21.16** – PFD limits for steerable beams
    - No. **23.13** - Disagreement by and ADM on the inclusion of its territory in the service area of a BSS (except sound broadcasting) network

RECEIVABILITY OF THE NOTICES

Notification (1)

- Notification not earlier than ***3 years before dBiU*** (No. **11.25**)
- Nos. **11.44, 11.44.1 and 11.48**
  - maximum regulatory period for bringing an assignment into use and submission of the first notification request (7 / 9 years)
  - **11.44.1** – assignment brought into use prior completion of the coordination process and RES **49** have been submitted – first notification by the end of 7 / 9 years period following No. **9.1** or **9.2**
  - **11.48** – expiry of bringing into use of a network
- **ROP 4.3** multiple procedures (**API** – (C) – N)
  - previously applicable procedures have to be effected
  - for earth station: associated space station supported by an **API**
- *resolves 6* of RES**49** (Rev. WRC-07)
  - SUP if no administrative due diligence information until the deadline (deadlines in *resolves 2 and 2bis*)
- BR reminders (3 or 6 months before the expiry date)

RECEIVABILITY OF THE NOTICES

Notification (2) - Non-Receivable Notices

- Relevant **AP4** data has not been provided – see No. **11.15** (WRC-07) – RES55 apply. **No more "only changes" to No. 9.29 (CR)**

- **ROP 4.3** multiple procedures (**API** – (C) – **N**)
  - previously applicable procedures have to be effected
  - for earth station: associated space station supported by an **API**
  - assignments that require coordination under Sect II of Article **9** is not supported by a publication of coordination request (CR/C)
  - assignments that do not require coordination under Sect II of Article **9** is not supported by an **API**

RECEIVABILITY OF THE NOTICES

Notification (3) - Publication of Complete Notification

- Complete notices are published in **PART I-S** of the BR IFIC (Space services) with the date of receipt. This publication shall constitute the acknowledgement to the notifying ADM of receipt of its notice.

- PART I-S notices will be used for further technical and regulatory examination by the Bureau

RECEIVABILITY OF THE NOTICES

Relevant CR Letters related to the Receipt of notices

- **CR/ 284 -** BRsoft 6.0 and SNS V6.0
- **CR/306** - BRsoft 6.1 and SNS V6.1

RECEIVABILITY OF THE NOTICES

RECAPITULATION (1)

- **ROP** 1: electronic filing (*resolves 5* of **RES55**)
- **ROP** 3.2: completeness (Annex 2 of **AP4**, validation SW)
- **ROP** 4.1: **API** not more than 7 years before dBiU (No. **9.1**)
- **ROP** 4.2: Notification not more than 3 years before dBiU (No. **11.25**)
- **ROP** 4.3: 1 **API** = 1 CR (No. **1.112**)
- **ROP** 4.4: multiple procedures (API – (C) – N)
  - *previously applicable procedures have to be effected*
  - for earth station: associated space station supported by an **API**
- **ROP** 4.5: Notification (ART **11**) also not receivable
  - if the regulatory time limit (7 or 9 years) has expired
- **ROP** 5: BR returns the notice to the ADM with a justification
- **RES49** information has to be provided **before** the date bringing into use (dBiU)
  - Paragraph 12 of Annex 1 to Resolution 49

RECEIVABILITY OF THE NOTICES

RECAPITULATION (2) -Time Constraints

- One of the most critical problems for the ADM is to have ***under control*** **and query/view the critical** ***regulatory dates*** **for a selected satellite network**
  - ***Date of receipt*** of the **API -** ***"regulatory clock"***
  - ***Frequency bands*** published in the **API**(s)
  - CR ***due date*** (**9.5D**)
  - Notified ***date of bringing into use - "final "*** regulatory date (**11.44, 11.44.1**)
- ***BR reminder to ADM at least <u>3 /6 months</u> <u>before</u> a relevant "expiry date"***

RECEIVABILITY OF THE NOTICES

RECAPITULATION (3) -Time Constraints

BR SNS Online HELP - API regulatory dates summary:

http://www.itu.int/sns/advpub.html

SUMMARY INFORMATION

Satellite name	Longitude	Category	Adm	Ntwk	Org	Provn	Date of receipt of last modification by Adm
USOBO-8	87.500	A	USA	-		9.1/IB	23.09.2003

Download notice into MS/ACCESS 2000 GO ?

Download results to:

MS ACCESS EXCEL 5.0 ?

table/worksheet:
api_geo_sum

DETAILED INFORMATION

DATE OF RECEIPT	FREQUENCY FROM [MHz]	FREQUENCY TO [MHz]	CLASS OF STATION	NATURE OF SERVICE	PLANNED DATE OF BRINGING INTO USE	SERVICE AREA	IFIC/WIC NBR	H DATE (CR DUE DATE 9.5D)	G DATE REGULATORY DEADLINE 11.44, 11.44.1
15.06.2001	1215.6	1239.6	EN	CO	02.05.2006	SPACE-TO-SPACE	2517	15.06.2003	15.06.2008
15.06.2001	1563.42	1587.42	EN	CO	02.05.2006	SPACE-TO-SPACE	2517	15.06.2003	15.06.2008
03.05.1999	1750	1850	EK	CO	02.05.2006	GUM	2517	03.05.2001	03.05.2006
03.05.1999	2200	2230	ER	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006
23.09.2003	2230	2235	ER	CO	02.05.2006	MWM	2537	23.09.2005	23.09.2010
03.05.1999	2235	2290	ER	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006
03.05.1999	20200	21200	EI	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006
03.05.1999	43500	45500	EI	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006

RECEIVABILITY OF THE NOTICES

Questions ?