

**Conformity and Interoperability Training
for AMS Region on Type Approval testing
for Mobile Terminals, NGN testing,
Homologation Procedures and Market
Surveillance**

Campinas-Brazil, 8-12 June 2015

**Market Surveillance and
enforcement**

João Alexandre Zanon and Renata Santoyo

Market Surveillance

- Introduction and concepts

Market Surveillance

Purpose

- To ensure the ICT products placed on the market comply with all the requirements set out in the relevant legislation and regulations
- To ensure that ICT products placed on the market do not cause electromagnetic interference, harm the public telecommunications network, and endanger health, safety, environment or any other aspect of protection of public interests
- To take necessary action (e.g. prohibitions, withdrawals, recalls) to stop the circulation of products that do not comply with all the requirements set out in the relevant legislation and regulations, to bring the products into compliance and to apply sanctions.

Market Surveillance

- A definition:

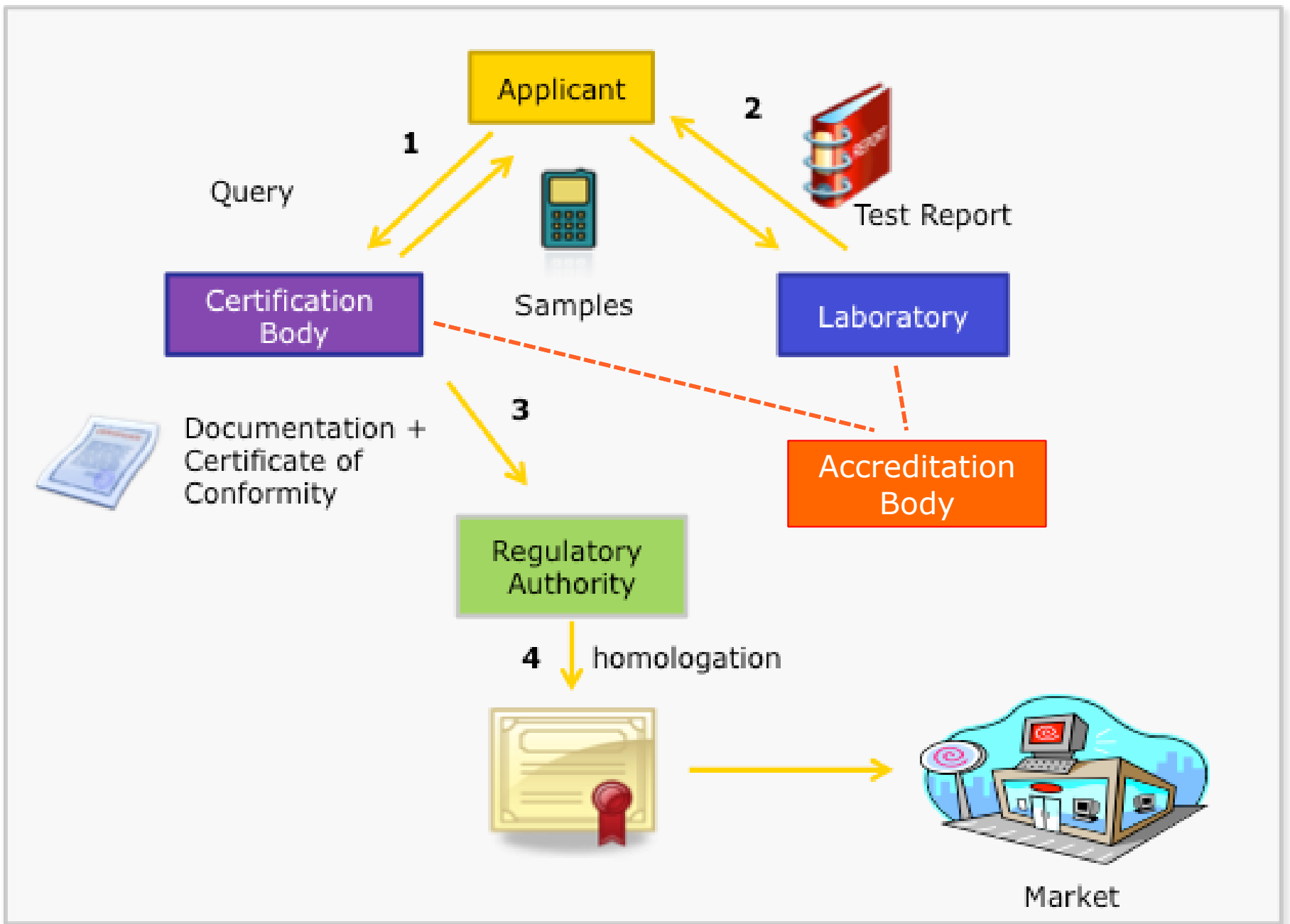
Market surveillance consists of the "activities carried out and measures taken by designated authorities to ensure that products comply with the requirements set out in the relevant legislation and do not endanger health, safety or any other aspect of public interest protection"

*Adapted from: [Market Surveillance Regulation European Commission n. 765/2008, art 2](#)

Market Surveillance

Key Stakeholders

- Regulators
- Accreditation Bodies (ABs)
- Certification Bodies (CBs)
- Manufacturers, importers, vendors and service providers
- Users



Market Surveillance

Market Surveillance activities – *Regulators*

- Market surveillance mandates in place in legislation and regulations
- Processes and procedures in place to conduct market surveillance
- Monitor appointed/recognized Accreditation Bodies to ensure continued ISO/IEC 17011 compliance
- Monitor designated/recognized Certification Bodies (CBs) to ensure their continued compliance with ISO/IEC 17065
- Ensure that the designated/recognized CBs conduct appropriate market surveillance activities in with ISO/IEC 17065

Market Surveillance

Market Surveillance activities – *Regulators(cont'd)*

- Specify additional market surveillance tasks for designated/recognized CBs such as:
 - Conduct audit of X % of equipment they certified annually
 - CBs may use the following criteria to select audit samples:
 - past history of compliance
 - whether the sample comes from a new applicant
 - whether the sample is based on new technology
 - popularity of the technology
 - price of the sample relative to the average price of similar technology
 - potential harm to the network or people as a result of non-compliance

Market Surveillance

Market Surveillance activities – *Regulators(cont'd)*

- Liaise with border control department to track ICT equipment imported in their territories
- Consult with foreign regulators to share and discuss market surveillance results and experience

Market Surveillance

Market Surveillance activities – *Accreditation Bodies*

- Maintain compliance with ISO/IEC 17011 by peer assessment as set out by ILAC for testing laboratories and IAF for certification bodies
- Ensure that the conformity assessment bodies which they had accredited remain compliant by reassessment and on-site surveillance according to ISO/IEC 17025 for testing laboratories and ISO/IEC 17065 for certification bodies

Market Surveillance

Market Surveillance activities – *Certification Bodies (CBs)*

- CBs to maintain compliance with ISO/IEC 17065
- CBs to conduct appropriate market surveillance activities in accordance with ISO/IEC 17065
- CBs to conduct specific tasks as requested by the regulators

Market Surveillance

Market Surveillance activities – *Manufacturers, legal representative*

- To ensure that equipment sold in the regulator's territory continues to meet the applicable standards throughout its entire life cycle.
- To provide audit samples to the regulator and CB on a timely basis

Market Surveillance

Market Surveillance activities – *Users /competitors*

- Awareness of the Conformity Assessment in place
- Contact authorities about suspicious equipment

Market Surveillance

Activities

- Audit
- consultations on Market Surveillance Intelligence and Experience
- Importing monitoring

Market Surveillance

Audits

- Regulators, CBs and manufacturers conduct audits according to the regulators' requirements
- Audits can be random or targeted based on complaints or past surveillance results
- Audit samples may be obtained from:
 - the manufacturer
 - the domestic representative of a manufacturer or supplier
 - the importer or distributor
 - the marketplace

Market Surveillance

Consultations on Market Surveillance Intelligence and Experience

- Sharing of information and consulting with other countries which have a market surveillance and enforcement program in place.
- Countries within the same region, sharing a common language and perhaps common spectrum management and frequency assignments for services
- Heads-up notice, or advance warning from collaborative partners on compliance problems with technologies and products which may have early deployment in a particular country or region.

Market Surveillance

Consultations on Market Surveillance Intelligence and Experience (cont'd)

- Alert the collaborative partners to the potential for non-compliance of such products or technologies when they are deployed more broadly and therefore can be targeted for inspection and audit.
- The Administrative Cooperation Group on R&TTE (ADCO) is example of collaborative group in the European Community
- ADCO has MoU with the Federal Communication Commission (USA) and Industry Canada (Canada)

Market Surveillance

Import Monitoring

- Regulators need to have a method to track the equipment imported into their territories.
- **“HS Code”** is a standardized numerical method of classifying traded products developed and maintained by the World Customs Organization. but are free to adopt additional subcategories and notes
 - To ensure harmonization, the contracting parties must employ at least 4- and 6-digit provisions, international rules and notes, but are free to adopt additional subcategories and notes.

Market Surveillance

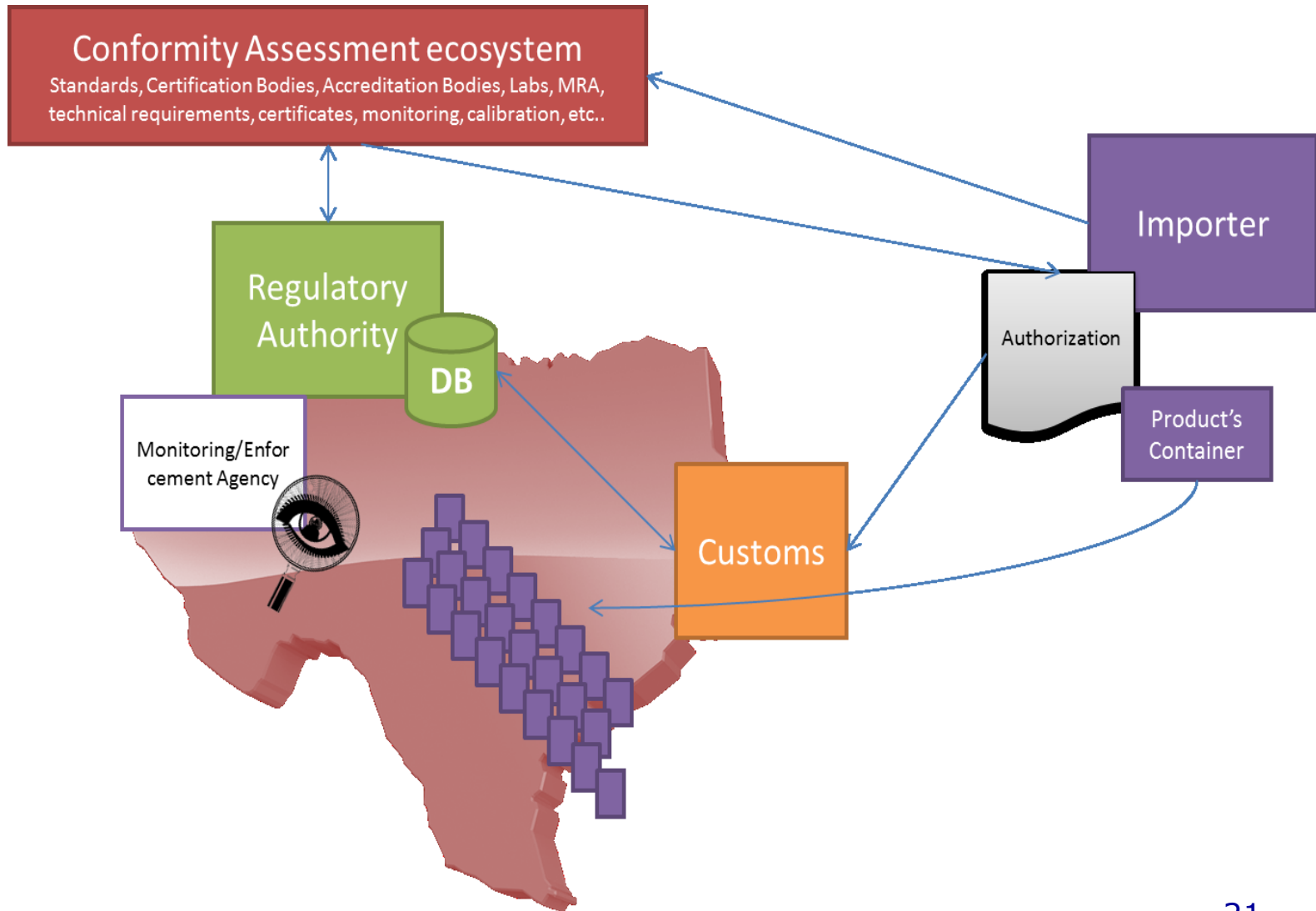
Import Monitoring

- A regulator through the appropriate department in its territory can assign the HS Code to the ICT equipment and through its customs department can monitor the ICT equipment which is imported into its territory.
- HS Codes can be used by the regulator to stop the equipment from entering its territory if the equipment is determined to be non-compliant

Enforcement

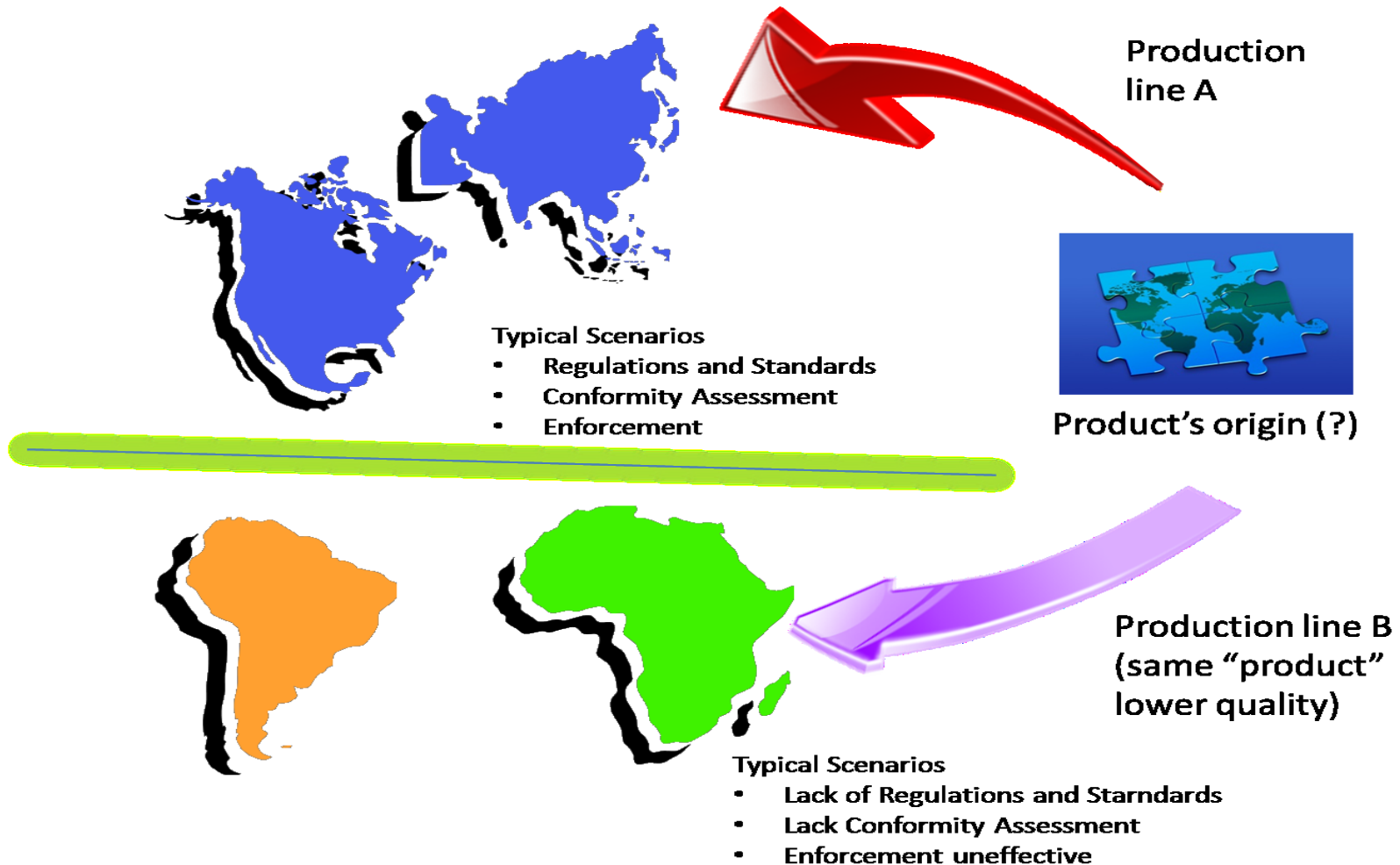
- **Revocation of certification, registration**
- **Recall**
- **Monetary penalties**
- **Seize**
- **Border control**

Blocking the entrance of Counterfeit Devices.



CA Policy Importance

Phenomenom of Tropicalização



CA Policy Importance

- Radiofrequency Interference -> service disturbance -> market instability
- Safety
- Minimum Quality requirements oblivion

- Global, Regional and National Perspectives

Multi Layer Initiatives: a working case

- **International– ITU Actions:**
 - PP14 Resolution on Counterfeit and on C&I.
 - ITU-T SG11 (Q8/11) [Technical Report](#).
 - ITU-D interaction with ITU-T to implement the necessary actions on developing countries.
- **Cooperation with other organizations.**
- **Regional:** CITEC CCPI Correspondence Group on Counterfeit terminals discussions.
- **National:** Brazil SIGA and Custom Integration.

What we should look for

- **Multi Level Actions and Cooperation.**
 - Bilateral and Regional cooperation.
 - International best-practices and recommendations.
- **Reduce End-user impact (Good Faith user)**
 - Good user communication is crucial.
 - Weave for legacy terminal (turnover).
- **National multiple actions to combat Counterfeit**
 - Structured CA Policy and Custom Integration.
 - Solution to Remove Counterfeit from the network.
- **Reliable reference databases to our solutions**
 - Secure unique identifier (IMEI) – PP14 Res. Counterfeit

Regional Approach

Examples of joint measures on regional level

Inter-American Telecommunication Commission (CITEL)

- CITEL PCC.I recommended in 2009 member states to “consider creating databases as part of an overall anti-counterfeit and fraud program”.
- In May 2014, the group approved [Resolution 222](#) (XXIV-14) - “strengthening regional measures to combat the spread of counterfeit, substandard and unapproved mobile devices”
- Res. 222 created a correspondence group to:
 - develop definitions;
 - evaluate the scope and nature of the problems detected;
 - recommend technical and regulatory solutions;
 - document best practices from around the world;
 - and to promote the sharing of information and the exchange of experiences among Member States and associate members of CITEL

Regional Approach

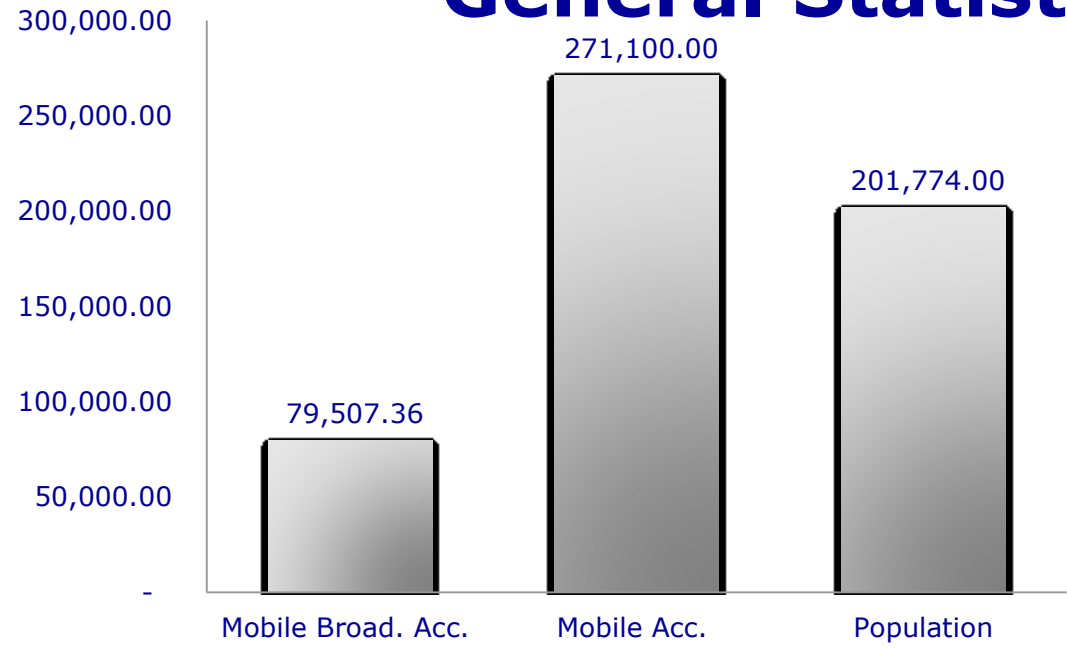
Association of the Communications and Telecommunications Regulators of the Community of Portuguese Speaking Countries (ARCTEL-CPLP)

- At the ITU GSR 2012 proposed actions at the regional level consisting of:
 - Sharing of IMEI blacklist databases through bilateral or multilateral agreements
 - Establishment of regulatory fiscal + customs mechanisms to ensure greater on borders
 - Industry compliance with recommendations preventing IMEI changing or duplication
 - Campaigns to raise public awareness of the importance of reporting the theft and loss of mobile terminal devices.

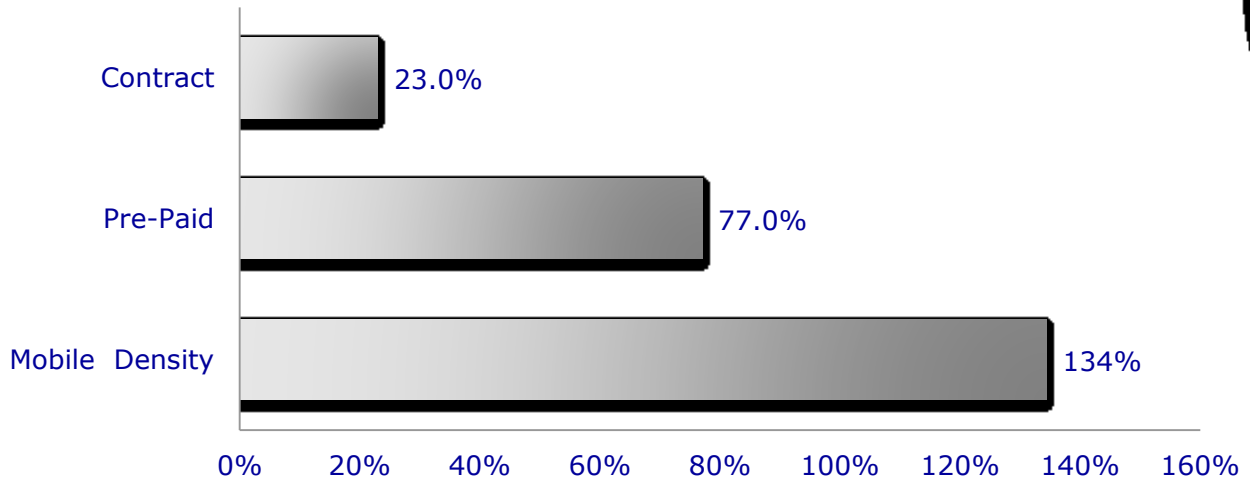
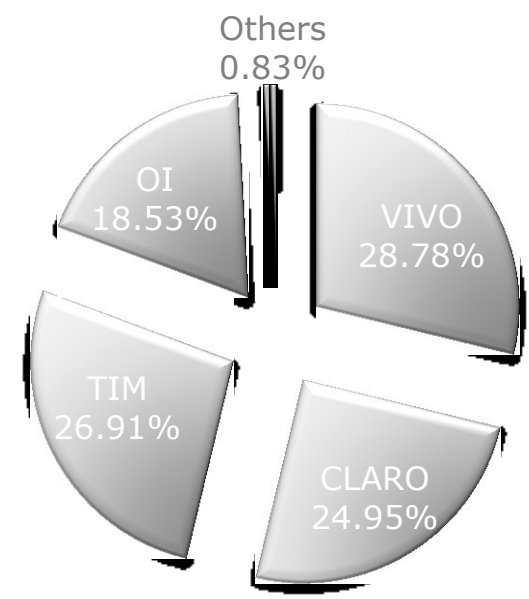
A National Perspective

- An example form the Mobile market

General Statistics



Mobile Market Share



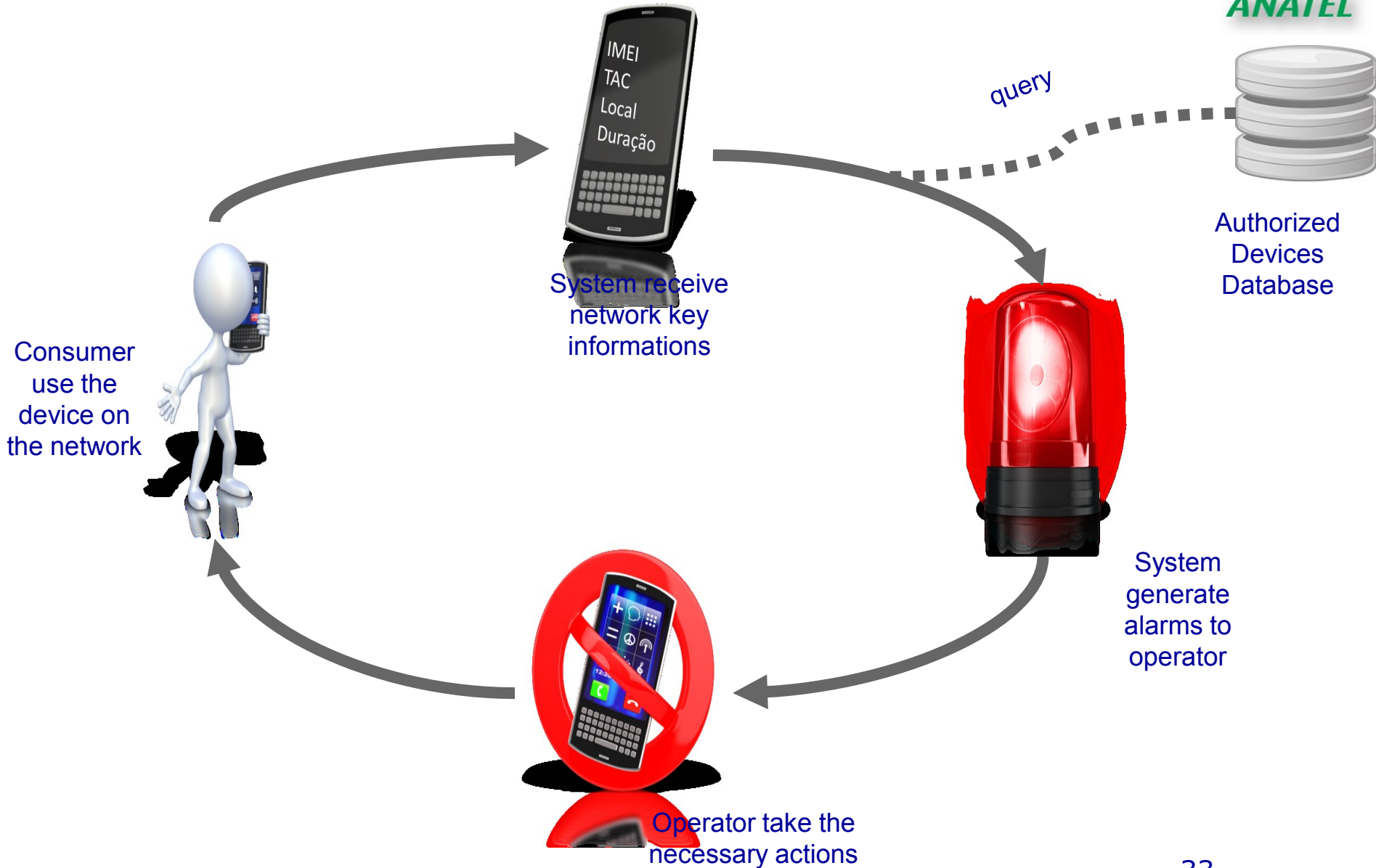
SIGA - Sistema Integrado de Gestão de Aparelhos.

- O “Sistema Integrado de Gestão de Aparelhos – SIGA” aims to **control counterfeit, cloned and unauthorized** mobile devices.
- The project is based on Anatel Regulatory framework that dictates that **operators can only allow on the network authorized devices.**
- The Project is lead by Anatel with the participation of all relevant actors (**Anatel, Operators, ABR-Telecom, Manufactures, GSMA, among others**).
- The system is operated by ABR-Telecom and is **active since march 2014** collecting the relevant information from all mobile networks on Brazil.
- The system is generating the reports and alarms necessary to **map the Brazilian scenario** so that Anatel can **define the next actions.**

SIGA Premises

- **Centralized solution:** built jointly and integrated to all Brazilian mobile operators;
- **Automated solution:** allowing the input of information with low human intervention;
- **Scalable, Dynamic and Flexible:** expandable system, rules adjusted over time;
- **Multiple sources of info:** CDRs (call data record), operators systems, international databases;
- **Reliable and secure:** Minimize impacts on regular end users;

SIGA Workflow



Challenges Faced on SIGA

- **Identification and definition** of actions for for each scenario.
- Reduce **end-user impact**.
- Construct a **reliable reference database**.
- Define **Legacy** Terminal actions.
- Actions effective only on terminal already on the network.
 - How to **control the entrance of Counterfeit?**

- Enforcement – A case study

Post Market Surveillance

Current Regulation and perspectives

⑩ Objectives:

- ⑩ To identify if equipment in the market is the same as it was approval in the lab/CB.

When we should start the surveillance?

- ⑩ 3 months after approval or, if necessary, on demand.

- ⑩ How? Agents might go to the market or manufacture`s factory to take samples.

- ⑩ Which kind of equipment? In the beginning, users` equipment.

- ⑩ Risk Assessment: Existence of enough working force and reliable CBs

- ⑩ What tests should be repeated? In the beginning, EMC tests because it is the one which makes the equipment most expensive and safer.

- ⑩ A simple way to put a post marketing procedure in place would be to compare the internal pictures form circuitry to the collected sample.

Post Market Surveillance

- ⑩ Since 2001, the Certification Bureau could notice that the non-compliance of products in the market has been improved day-by-day, and it was necessary to change the applicable Regulation, because the status quo wasn't sufficient.
- ⑩ In the beginning, the no approval equipment were essentially those which have no sample.
- ⑩ But nowadays there are lots of different ways to break the law, such as:
 - ⑩ No approval – without label;
 - ⑩ No approval - with fake label;
 - ⑩ No approval - with other's label;
 - ⑩ Approval - with sample, but not in accordance with the requirements.
- ⑩ **Even and odds**
 - ⑩ Short term – enforcing rules; working force increase; consequently more products arrested in the market.
 - ⑩ Long term - less working force acting in the field; more working force on the post market surveillance - intelligence work.

Enforcement activities

Objectives

To Identify and combat defining preventive actions to protect the market;

To favor fair competition between all equipment manufactures;

Protect the internal market and the end-user;

Ways

1) Pre-Market Surveillance

(Type Approval):

- to grant access to market by compliance demonstration;

2) Pós-market:

- demanded;

- Continuous validation the equipment follows up-to-date regulations/standards;



Working Force on enforcement

11 Escritórios Regionais

16 Unidades Operacionais (incluindo DF)

ER 01 – SP

ER 02 – RJ
UO 2.1 - ES

ER 03 – PR
UO 3.1 - SC

ER 04 – MG

ER 05 – RS

ER 06 – PE
UO 6.1 PB
UO 6.2 AL

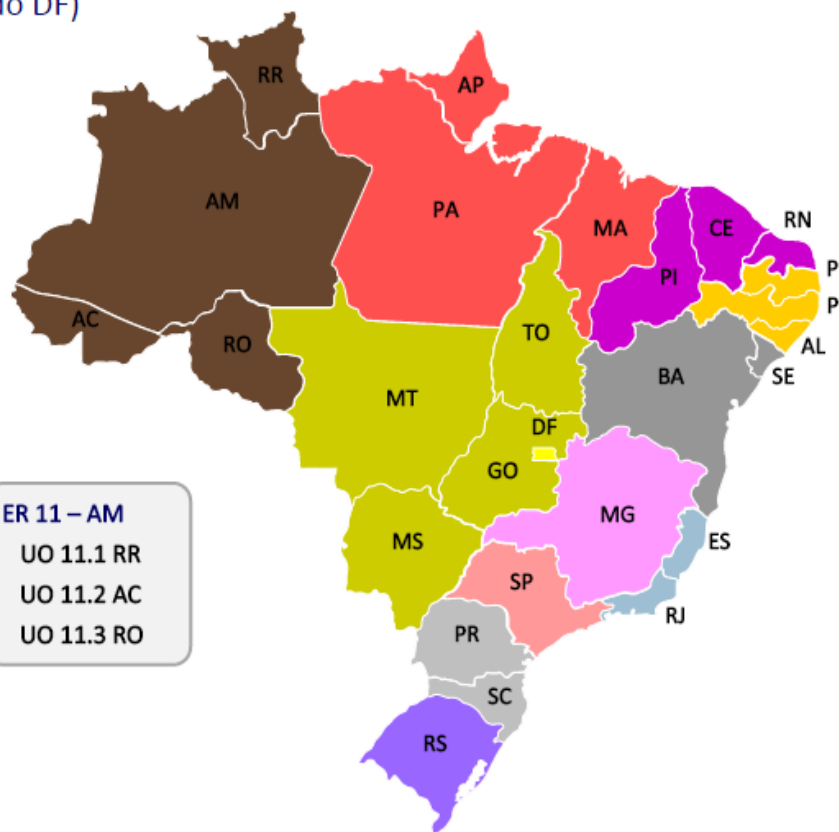
ER 07 – GO
UO 7.1 MT
UO 7.2 MS
UO 7.2 TO

ER 08 – BA
UO 8.1 SE

ER 09 – CE
UO 9.1 PI
UO 9.2 RN

ER 10 – PA
UO 10.1 MA
UO 10.2 AP

ER 11 – AM
UO 11.1 RR
UO 11.2 AC
UO 11.3 RO



ER/UO	Número de Agentes
GR01-SP	91
GR02-RJ	46
UO021-ES	9
GR03-PR	29
UO031-SC	14
GR04-MG	41
GR05-RS	28
GR06-PE	18
UO061-AL	6
UO062-PB	8
GR07-GO	17
UO071-MT	10
UO072-MS	9
UO073-TO	3
GR08-BA	23
UO081-SE	5
GR09-CE	19
UO091-RN	7
UO092-PI	5
GR10-PA	19
UO101-MA	9
UO102-AP	3
GR11-AM	11
UO111-RO	5
UO112-AC	4
UO113-RR	5
UO001-DF	15
FIGF	3
TOTAL	462

Fonte: POF 2013



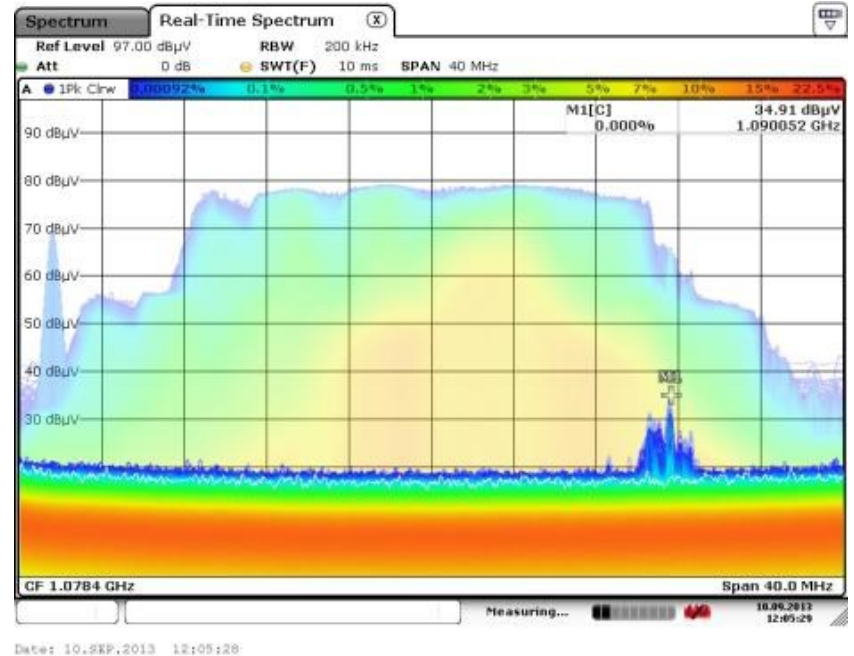
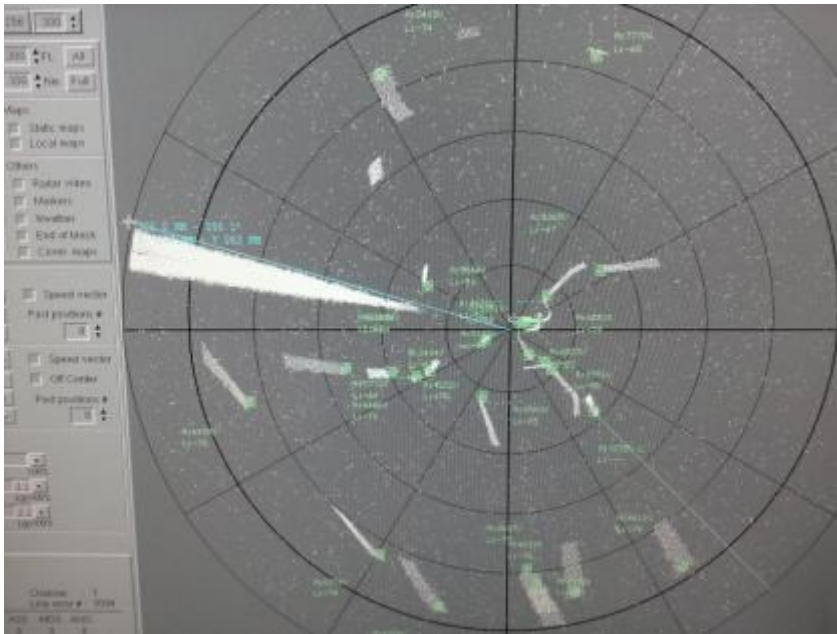
Working Force

Área de Atuação	Horas	Percentuais
STFC	192.258,00	29,63%
SMP	73.829,08	11,38%
TVA	11.420,00	1,76%
SCM	31.101,96	4,79%
Demais Serviços	0,00	0,00%
Redes	14.308,54	2,21%
Certificação	10.706,09	1,65%
Uso de Recursos de Espectro	220.119,37	33,92%
Uso de Recursos de Órbita	648,85	0,10%
Uso de Recursos de Numeração	6.488,54	1,00%
Recolhimento e Aplicação de Tributos	54.882,02	8,46%
Ordem Econômica	0,00	0,00%
Fiscalização de Conteúdo	29.198,43	4,50%
Outros	3.893,12	0,60%
Total	648.854,00	100,00%

Mês	Planejadas	Pontuais	Total
Janeiro	146	247	393
Fevereiro	278	247	525
Março	425	247	672
Abril	443	247	690
Mai	586	247	833
Junho	285	247	532
Julho	3.193	247	3.440
Agosto	442	247	689
Setembro	533	247	780
Outubro	520	247	767
Novembro	789	247	1.036
Dezembro	942	248	1.190
Total	8.582	2.965	11.547

16 Actions/ month on Pos-market surveillance

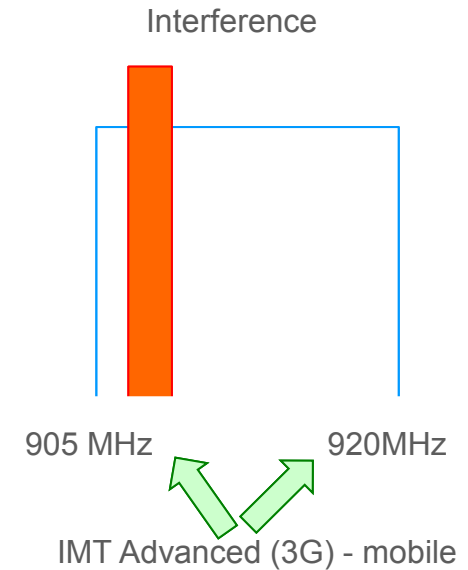
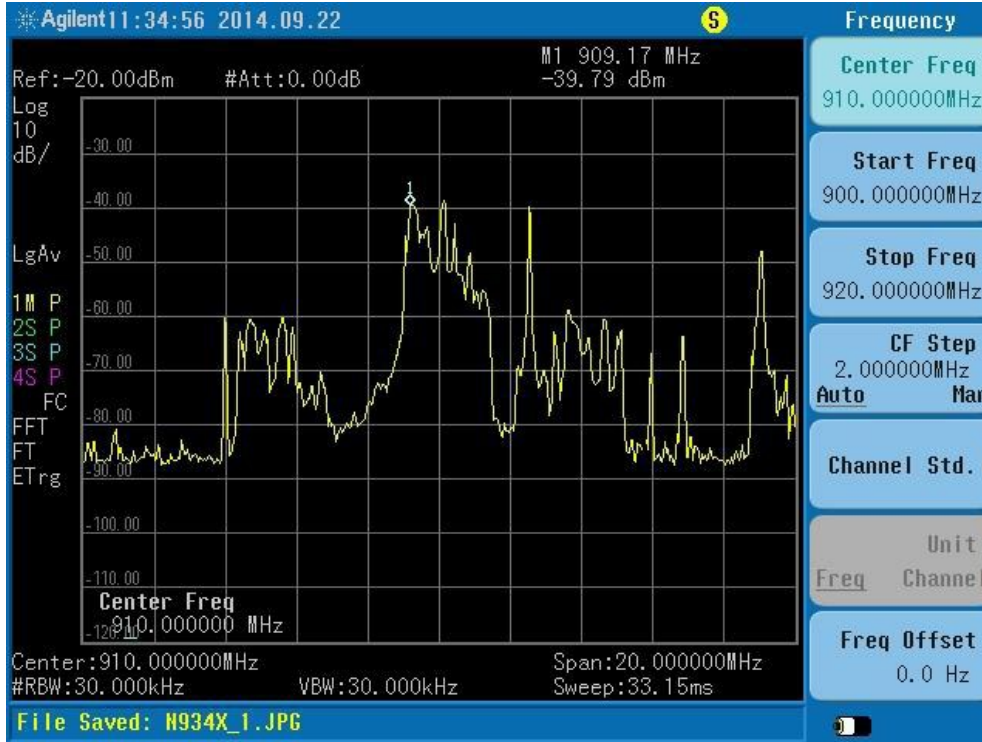
Interference case in the field: aeronautical navigation system disturbance



Wireless Camera



Interference case in the field: interruption on mobile communications



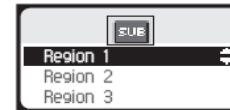
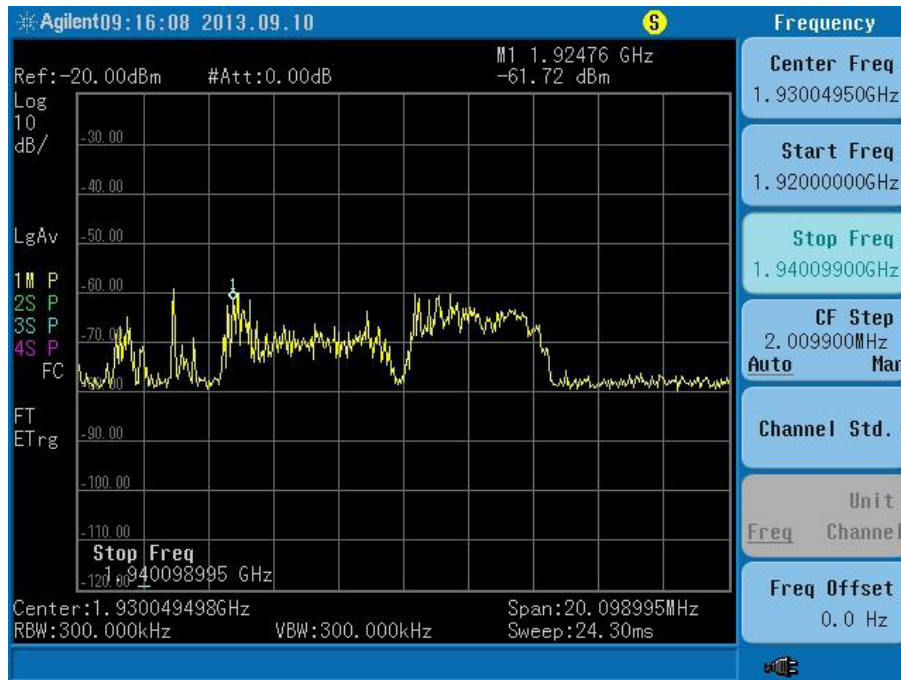
Electronic baby sitter



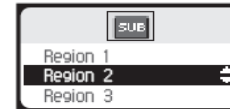
Unlicensed RF equip

Interference case in the field

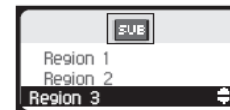
Try to asses the impact to communications in your country having the possible configurations below?



Europe band: 1880 MHz - 1900 MHz



US/Canada band: 1920 MHz - 1930 MHz



South America band: 1910 MHz - 1930 MHz



Asia band: 1900 MHz - 1920 MHz

Wireless Phone
DECT
(European Standard)



ICT PRODUCTS IMPORTATION

Typical motivations

Personal Use

Market

Demonstration



customs



ABROAD

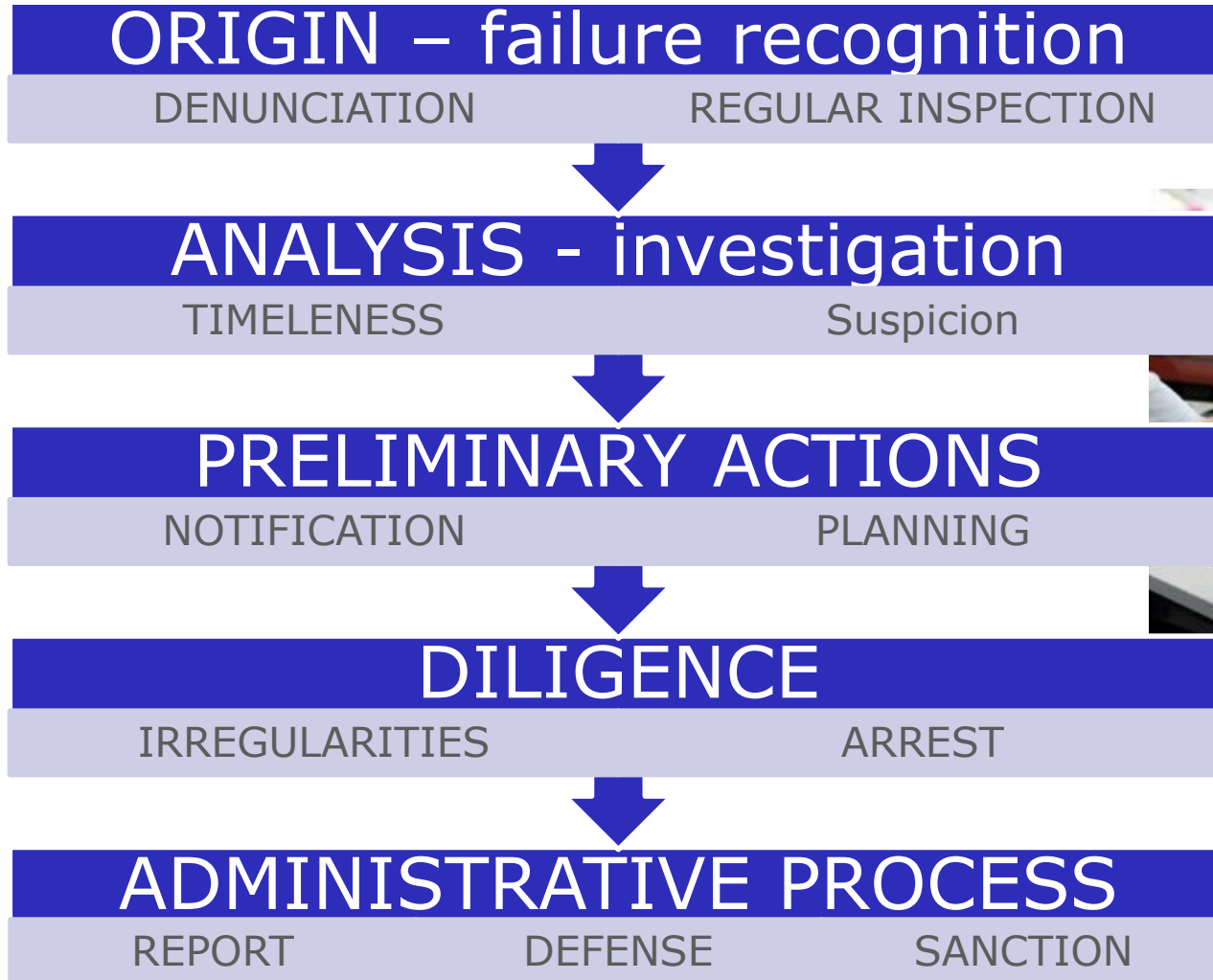


CUSTOMS` Inspection

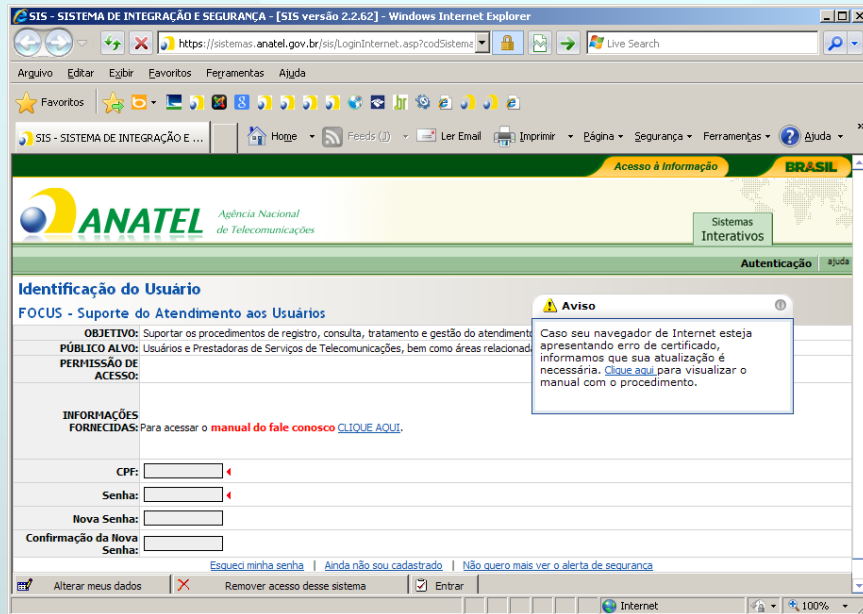
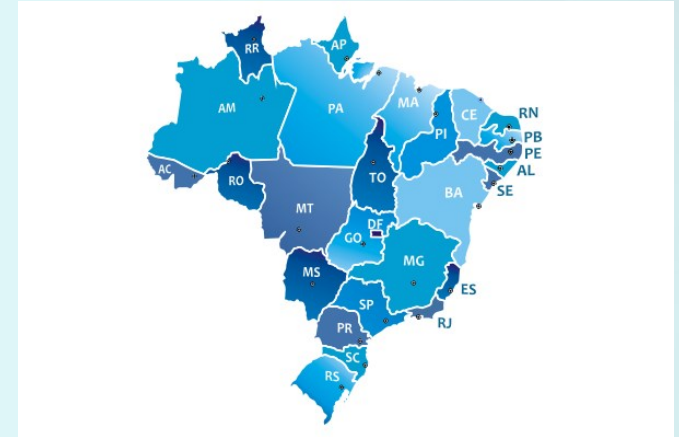
- 90 % from the incoming products to Brazil are inspected:
 - FEDEX, DHL, UPS, TNT, others.
- Postal inspections in SP, PR and RJ
- Shipping inspections – under demand



ENFORCEMENT typical workflow



DENUNCIATION



Search in the Homologation and Certification Management System (SGCH)

Acesso à Informação **BRASIL**

ANATEL Agência Nacional de Telecomunicações

Sistemas Interativos

Menu Principal

SGCH » Consultar Produtos Homologados/Certificados

Consultar Produtos Homologados e (ou) Certificados

Essa consulta é limitada a 300 registros. Para consultas mais específicas, selecione os critérios abaixo.

Tipo de Consulta:	-- Certificados e Homologados --	<input type="checkbox"/> Consulta pelo Modelo de Produto
Nº Certificado:	<input type="text"/> - <input type="text"/>	
Nº Homologação:	<input type="text"/>	
Solicitante:	Todos os Solicitantes	
Nome Solicitante:	<input type="text"/>	<input checked="" type="radio"/> Iniciando com <input type="radio"/> Contendo
Fabricante:	Todos Fabricantes	
Nome Fabricante:	<input type="text"/>	<input checked="" type="radio"/> Iniciando com <input type="radio"/> Contendo
Serviço/Aplicação:	Todos os Serviços	
Tipo do Produto:	Todos os Tipos	
Palavra-chave Modelo:	<input type="text"/>	
Faixa de Frequências (MHz):	<input type="text"/> a <input type="text"/>	
Tecnologia:	- Nenhum -	

Confirmar

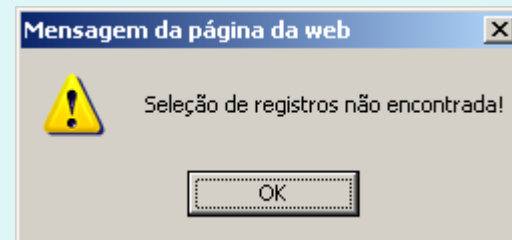
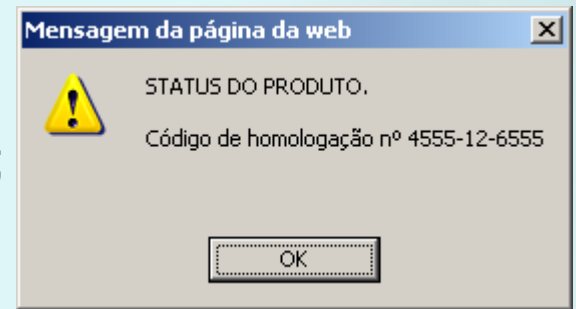
DILIGENCE



IRREGULARITIES

❑ EQUIPMENT NOT AUTHORIZED

- Homologation process has not started;
- Processing;
- Suspending;
- Divergent model;
- Not trackable;



IRREGULARITIES

❑ NOT HOMOLOGATED EQUIPMENT FOUND OPERATING

- No label
- counterfeited label (Crime)



IRREGULARITIES

❑ HOMOLOGATED (Authorized)

FAULTS BEARED BY



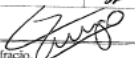
- Supplier
- Factory
- Label





TECHNICAL ISSUES

- Configurations, parameters, etc.
- Markings (e.g. Resolution 506, cables etc);
- Declarations;
- Requirements (e.g. Spectrum allocation);



NOTIFICATION - Agent

 ANATEL Agência Nacional de Telecomunicações		AUTO DE INFRAÇÃO		Número: 0013SP20140243 Data: 07/11/2014	
1. Identificação da Fiscalizada					
1.1. Nome					
1.3. Serviço Explorado FORNECEDOR					
1.4. Fiel nº					
1.5. Endereço para Intimação AVENIDA RIRACEMA, 1341 - TAMBOURÉ					
1.6. Município BARCELONA					
1.7. UF SP		1.8. CEP 06960-030			
2. Intimação					
Procedimento de Apuração de Descumprimento de Obrigações (PADO)					
<input checked="" type="checkbox"/> INTIMA-SE o identificado no Item 1 da infração do(s) dispositivo(s) especificado(s) no(s) anexo(s) relatório(s), termo(s) e/ou laudo(s), que deste é(são) parte integrante, sujeitando-o às sanções administrativas previstas no art. 173 da Lei nº 9.472 (Lei Geral de Telecomunicações - LGT), de 16 de julho de 1997, e nas normas específicas, sem prejuízo das sanções de natureza penal e civil aplicáveis.					
Processo de Apuração de Infração (PAI)					
<input type="checkbox"/> INTIMA-SE o identificado no Item 1 da infração do(s) dispositivo(s) especificado(s) no(s) anexo(s) relatório(s), termo(s) e/ou laudo(s), que deste é(são) parte integrante, sujeitando-o às sanções administrativas previstas na Lei nº 4.117, de 27 de agosto de 1962, e nas normas específicas, sem prejuízo das sanções de natureza penal e civil aplicáveis.					
3. Defesa					
Procedimento de Apuração de Descumprimento de Obrigações (PADO)					
<input checked="" type="checkbox"/> É concedido o prazo de 15 (quinze) dias, contado do recebimento deste, para o oferecimento de defesa, na forma do art. 82, II, do Regulamento Interno da Anatel, aprovado pela Resolução nº 612, de 29 de abril de 2013.					
Processo de Apuração de Infração (PAI)					
<input type="checkbox"/> É concedido o prazo de 15 (quinze) dias, contado do recebimento deste, para o oferecimento de defesa, conforme previsto na Cláusula sétima do Convênio celebrado entre o Ministério das Comunicações e a Anatel, publicado na Seção III do Diário Oficial da União do dia 9 de agosto de 2011.					
A defesa deverá ser dirigida à Anatel no endereço abaixo ou a qualquer uma de suas unidades. GR01 - RUA VERGUEIRO, 3073 - VILA MARIANA - CEP 04101-300 - SÃO PAULO - SP					
4. Atenuantes *					
<input type="checkbox"/> Houve a cessação da conduta e reparação total do dano ao serviço e/ou ao usuário, de forma espontânea e prévia à ação da Agência.					
<input type="checkbox"/> Houve a cessação da conduta e reparação total do dano ao serviço e/ou ao usuário de forma imediata.					
<input type="checkbox"/> Foram adotadas medidas para minimizar os efeitos da conduta verificada.					
* Aplicáveis apenas para o PADO, nas condições previstas no art. 20 do Regulamento aprovado pela Resolução nº 589, de 7 de maio de 2012.					
5. Identificação do(s) Agente(s) de Fiscalização					
5.1. Nome do Agente de Fiscalização (1) JAMISON RAMOS		5.2. Credencial nº 01413-7		5.3. Assinatura 	
5.4. Nome do Agente de Fiscalização (2) WELLINGTON DEVECHI		5.5. Credencial nº 01412-5		5.6. Assinatura 	
5.7. Local, Data e Hora BARCELONA, 07 DE NOVEMBRO DE 2014					
6. Representante da Fiscalizada no Ato de Fiscalização					
O nesso da equipe de fiscalização nas dependências do local fiscalizado foi franqueado pelo representante da Fiscalizada.					
6.1. Nome					
6.2. Identificação 2301 8538-1		6.4. Órgão Expedidor 55P		6.5. UF SP	
6.6. Telefone 11 4314-2900		6.7. Assinatura do representante da Fiscalizada 			
<input type="checkbox"/> O representante da Fiscalizada recusou-se a assinar este Auto de Infração.					
Este Auto de Infração é lavrado em 2 (duas) vias de igual teor e forma, ficando uma delas com o representante da Fiscalizada.					

 ANATEL Agência Nacional de Telecomunicações		TERMO DE LACRAÇÃO, APREENSÃO E/OU INTERRUPTÃO		Termo nº 0013 SP2014 0243 Data 07/11/2014			
<input type="checkbox"/> Anexo ao Auto de Infração nº 0013SP20140243							
<input type="checkbox"/> Anexo ao Termo de Identificação nº							
1. Local(is) de Fiscalização							
CONTRO DE DISTRIBUIÇÃO DE DISPOSITIVO AV. RIRACEMA, 1341 - BARCELONA - SP							
2. Especificação, Apreensão de Bens e Interrupção do Serviço							
Em (mês), identificando(s) no Auto de Infração/Termo de Identificação do qual este documento é parte integrante, Agente(s) de Fiscalização da Anatel, nos termos do parágrafo único do art. 3º da Lei nº 10.871/2004, c/c os incisos V e VI do art. 253 do Regulamento Interno da Anatel, aprovado pela Res. nº 612/2013, constando(am) do(s) irregularidade(s) descritas no referido Auto de Infração/Termo de Identificação, e independente das sanções cabíveis em decorrência de eventual processo administrativo a ser instaurado, realizado(am), mediante referido do Gerente de Fiscalização, e:							
<input type="checkbox"/> APREENSÃO e/ou <input checked="" type="checkbox"/> LACRAÇÃO do(s) bem(as) descrito(s) a seguir:							
<input type="checkbox"/> INTERRUPTÃO DO SERVIÇO							
Caso o bem(s) não seja(m) apreendido(s), o representante da Fiscalizada fica responsável pela sua guarda.							
3. Identificação dos bens							
Nº	Quant.	Tipo	Fabricante / Modelo	Série nº	Estado de Conservação	Lacre nº	Apreendido
01	25	BARRA ELETRÔNICA	SHIMANO/SWAPS V70 EX	—	NOVO	0017978	<input type="checkbox"/>
02	01	BARRA ELETRÔNICA	POW0006 / PRO25	—	NOVO	0017949	<input type="checkbox"/>
03	10	BARRA ELETRÔNICA	SAPATY 151 / M0065	—	NOVO	0017931	<input type="checkbox"/>
04	02	BARRA ELETRÔNICA	ALCAN / BC 943M(H)T	—	NOVO	0017944	<input type="checkbox"/>
05	47	BARRA ELETRÔNICA	ALCAN / BC2012	—	NOVO	0017938	<input type="checkbox"/>
4. Informações Complementares							
5. Assinaturas							
							
Assinatura do Agente de Fiscalização (1)		Assinatura do Agente de Fiscalização (2)		Assinatura do Representante da Fiscalizada			
6. Compromisso com o Restabelecimento							
Fica o representante da Fiscalizada comprometido de que o restabelecimento da estação interrompida ou o rompimento do laço, sem a prévia autorização do Poder Condotante, são considerados crimes de violação de laço e de desobediência, previstos, respectivamente, nos arts. 336 e 330 do Código Penal Brasileiro.							
7. Resultado de entrega do(s) bem(s) (USO INTERNO DA ANATEL)							
Apreensão amovível para fins de armazenamento, até decisão judicial ou outras providências, o(s) bem(s) relacionado(s) no Item 2, sinalizado(s) no campo "Apreendido".							
Local, Data e Hora:							
Nome do depositário:							
Assinatura do depositário:							

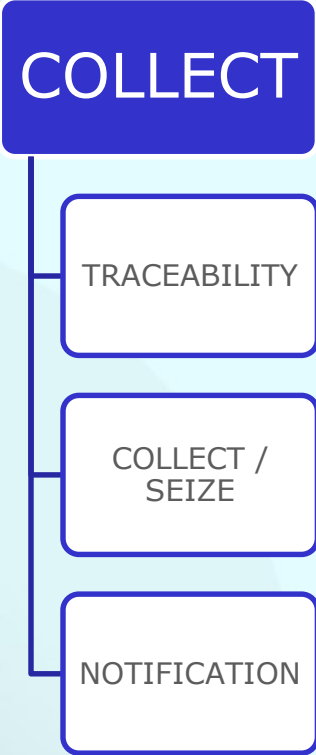
SEIZE



Seal



POST MARKET SURVEILLANCE




ANATEL Agência Nacional de Telecomunicações
 Rua Vergueiro, 3073 - Vila Mariana - CEP 04101-300 - São Paulo/SP
 Tel.: (11) 2104-8800 - e-mail: atil@anatel.gov.br

Ofício nº. 4798/2015 - GR01F4/GR01-Anatel

São Paulo, 09 de abril de 2015.

Ao Representante Legal

1. Identificação do Produto	
1.1. Nome	PJ nº
1.3. Serviço Explorado	
1.5. Endereço para Correspondência	
1.6. Município	
2. Informações Complementares	
Assunto: Reposição de produtos coletados no comércio – Homologação 3538-12-3111	
Senhor (a) Representante,	
1. A Agência Nacional de Telecomunicações – Anatel, no Estado de São Paulo, no uso das atribuições conferidas pela Lei nº. 9.472, de 16 de julho de 1997 e pela Resolução nº. 612, de 29 de abril de 2012, e em conformidade com o diploma legal sobre produtos de telecomunicações, Anexo à Resolução nº. 242, de 30, de novembro de 2000, e Anexo à Resolução nº. 323, de 07, de novembro de 2002, vem informar e solicitar:	
DE CONFORMIDADE:	ALIAÇÃO
- SEGUNDO INCISIVO DA REPOSIÇÃO DO FABRICANTE OU:	JUSTOS COM LIDADE DO
- A REPOSIÇÃO DO:	NATEL.
2. Em atividade de fiscalização, realizada no dia 25 de março de 2015 foram coletados Cabos para Transmissão de Dados – Categoria I, modelo: LAN CABLE CAT. 6 UTP 23AWG/4PRS, homologação 3538-12-3111 deste fabricante, para avaliação da homologação, conforme descrito a seguir:	
2.1. Entidade: Camila Ceres Prado Monteiro EPP - CNPJ nº. 04.293.844/0001-29 Material: 1 (uma) caixa de 305 m de cabo para transmissão de dados Nota Fiscal de fornecimento pela Multilaser: 001042485de 11/11/2014 Termo de Identificação: 0023SP20150054	
2.2. Entidade: A Solução Eletrônica Ltda - CNPJ nº. 00.559.915/0001-31 Material: 1 (uma) caixa de 305 m de cabo para transmissão de dados Nota Fiscal de fornecimento pela Multilaser: 001120442 de 10/03/2015 Termo de Identificação: 0023SP20150054	
3. Assim, nos termos do inciso II, do item 8.3.2 da Resolução nº. 323, solicitamos que sejam repostas sem ônus aos comerciantes descritos acima, 01 (um) exemplar para cada entidade do Cabo para Transmissão de Dados – Categoria I, modelo: LAN CABLE CAT. 6 UTP 23AWG/4PRS, tendo os mesmos requisitos técnicos descritos no referido Certificado de Homologação Anatel.	
3. Identificação do Agente	
3.1. Nome do Agente	
3.4. Nome do Agente	

Atenciosamente,


SANDRO ALMEIDA RAMOS
 Gerente Regional

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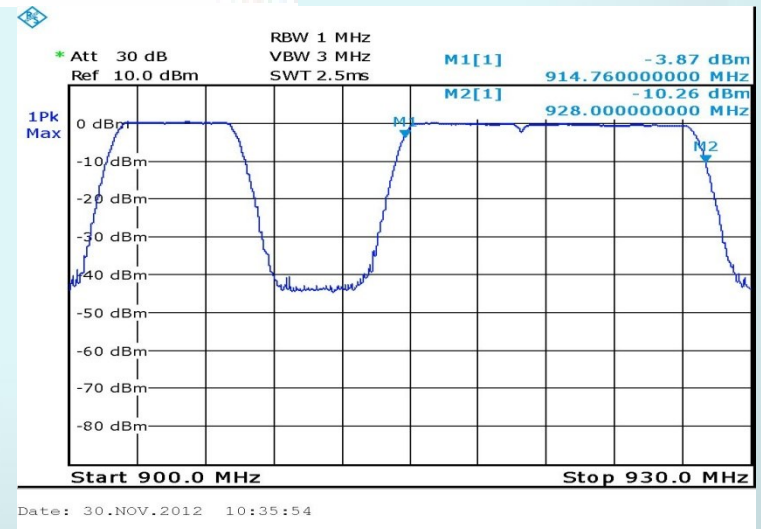
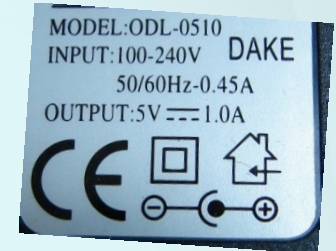
PRODUCT ANALYSIS

- Marking
- MODEL
- PARAMETERS

CABINET

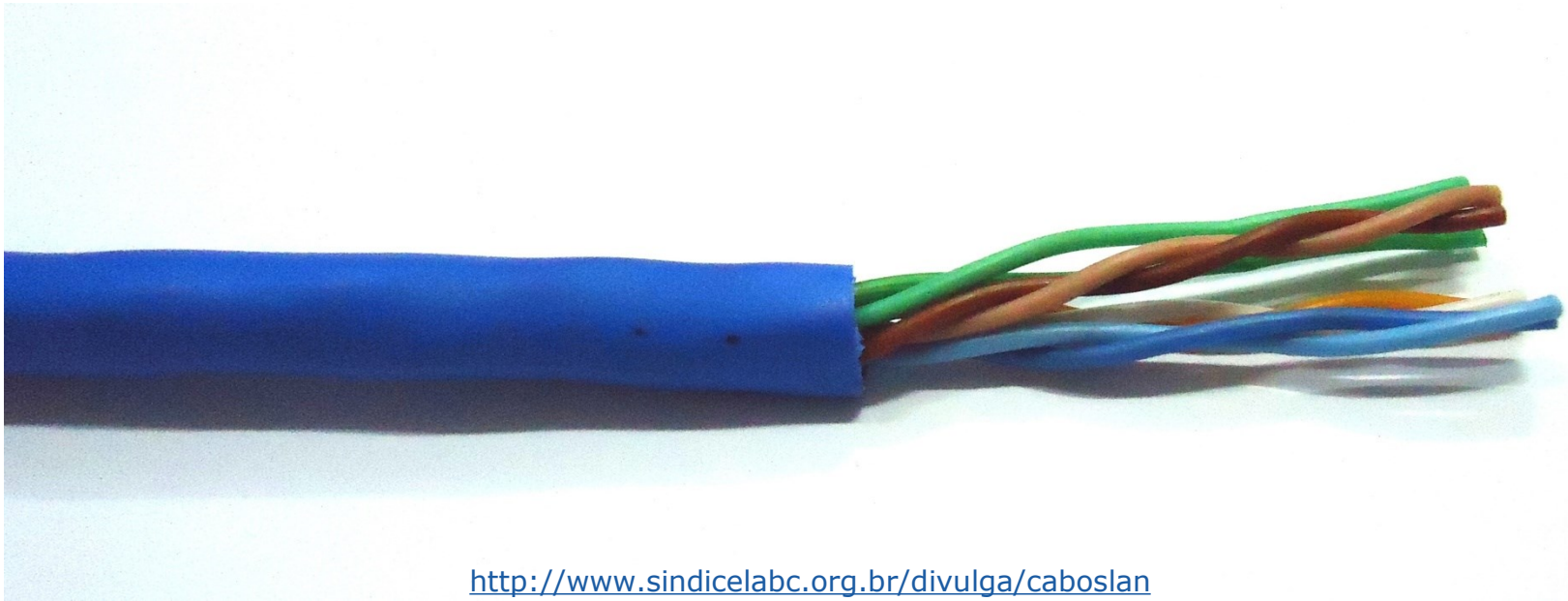
SOURCE

TESTS



POST MARKET SURVEILLANCE

LAN CABLE – Aluminum instead of Copper



<http://www.sindicelabc.org.br/divulga/caboslan>

POST MARKET SURVEILLANCE

TABLET



[MIDIA coverage](#)

POST MARKET SURVEILLANCE

ROUTER



CERTIFIED/HOMOLOGATED



MARKETED

7 errors game; SHIELD? EMC, Safety requirements?