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# Systematic Electronic Exchange of Data SEED Project

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# Project Basics

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- Funded by European Commission
- Started in May 2008
- Participants: Six Beneficiary Administrations (AL, BA, MK, MN, RS and UNMIK/Kosovo)
- Overall Objectives:
  - Sustaining the administrative capacity in the area of exchange of information
  - Familiarising the BA's with the concept of the electronic exchange of data as required by EC
  - Establishing a “bridge” in administrative co-operation
- Background:
  - Exchange of information by means of paper Customs Information List (CIL)

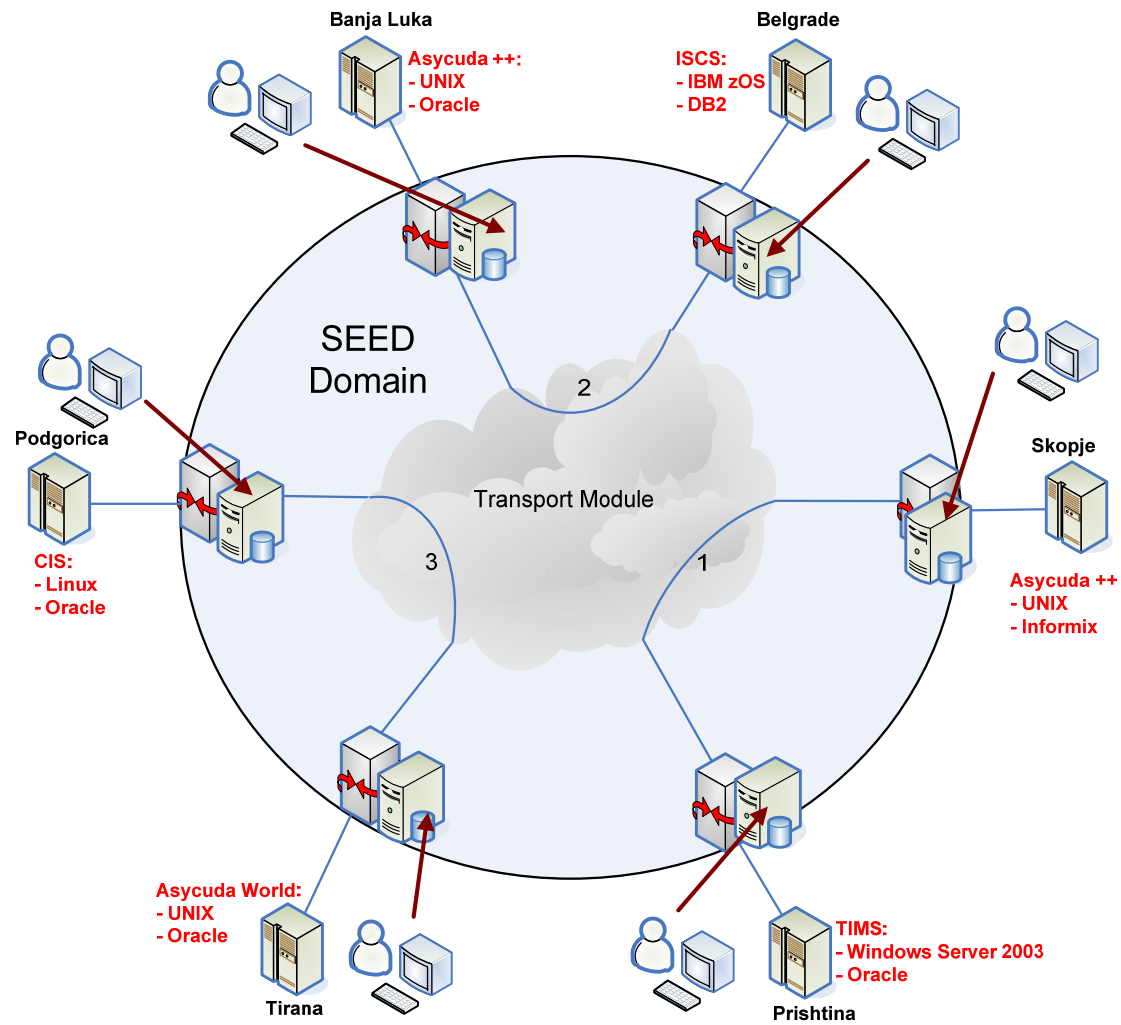
# User Requirements

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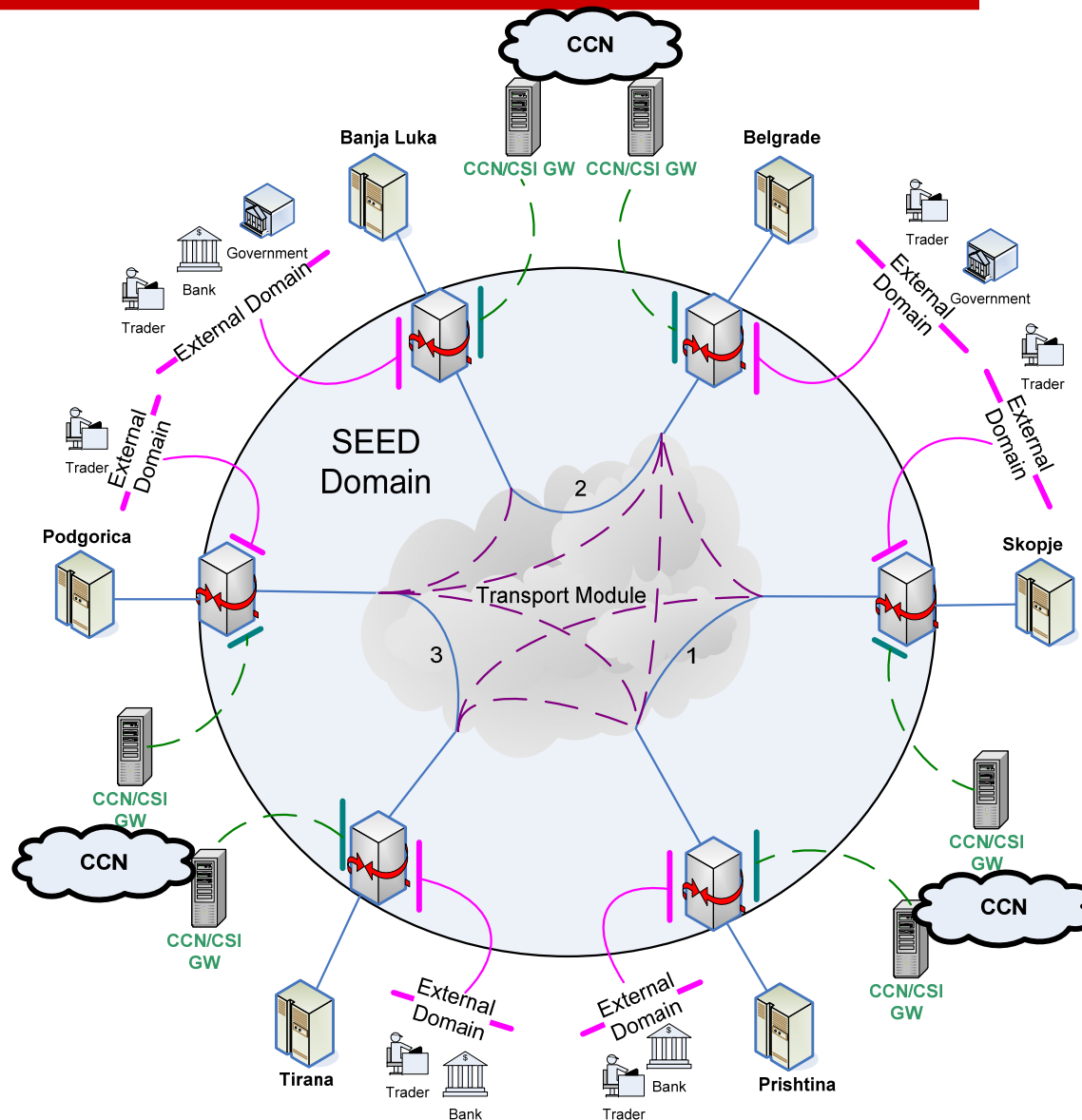
- Automatic exchange of:
  - Customs Declaration data (export and transit, including TIR);
  - Border crossing of Empty Trucks;
  - Simplified procedures;
- Minimum and maximum data set
- Common system design – Regional level;
- Implementation on a bilateral basis
- Several phases:
  - CIL data exchange (minimum data set);
  - Pre-arrival information exchange;
  - Data matching module;
  - Risk analysis on pre-arrival information
  - Alarming module;
  - Analysis and statistics module;
  - Integration into national Customs' IS
  - Data exchange with other domains (industry, government, CCN/CSI etc.)

# Pilot Project

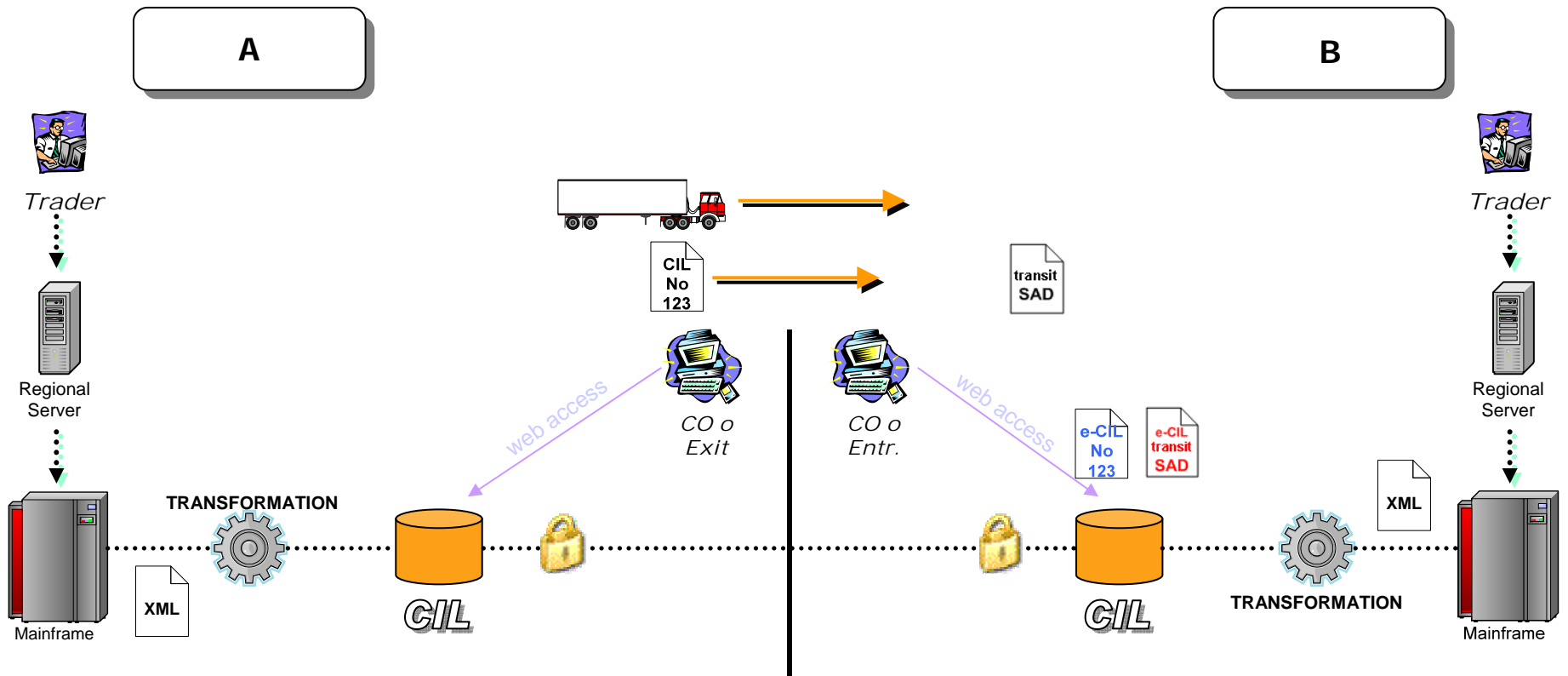
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# Complete Project



# How SEED – CIL Works?

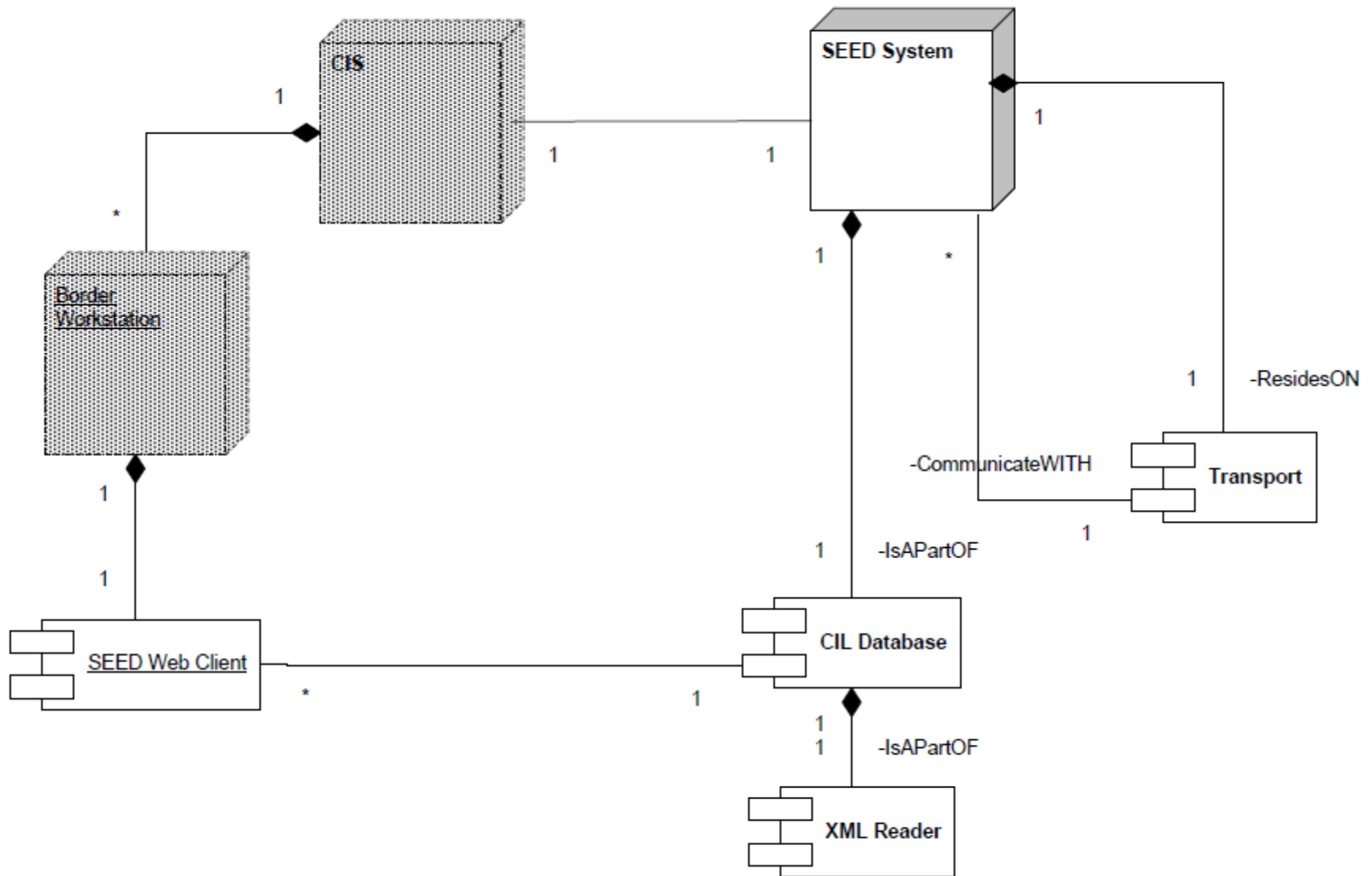


# Technical information - Architecture

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- The same Middleware platform in all Regional Customs Administrations
- System components:
  - CIL Database with XML Reader module;
  - Web application providing interactive CIL data preview and update by authorised users;
  - Transport module – communication and routing component providing secure (encrypted) transport of XML messages between SEED systems deployed with different BAs in the region. The communication channel is implemented using TCP/IP and HTTP(S) protocols. MSMQ as transport method.
  - Data Matching and Analysis Module

# Technical information - Deployment





# Technical information - Other

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- Multi – language support
- Same platform regardless heterogeneous Customs' IS
- Modular concept
- Expandable and extensible

# Web application – Pre Arrival information



SYSTEMATIC ELECTRONIC EXCHANGE OF DATA



Funded by the European Commission

Data From: Last 3 days   Details Export Mode: None   All   Export to: <a href="#">Word</a> <a href="#">Excel</a> <a href="#">PDF</a> <a href="#">CSV</a>											
Drag a column header here to group by that column											
#	CIL Number	Declaration ID	Type Part One	Items	Issue date	Customs Destination Office	Customs Departure Office	Transpc Borde National	Transport Border Identity		
<input type="checkbox"/>	<a href="#">MKRS2031100004670</a>	20104010D7263	T1	1	2/26/2010 2:16:09 AM	2031	4010		BG830735100		
<input type="checkbox"/>	<a href="#">MKRS2031100004669</a>	20104010D7235	T1	1	2/26/2010 1:15:57 AM	2031	4010	DE	NMAK949NMA		
<input type="checkbox"/>	<a href="#">MKRS2031100004668</a>	20104010D7222	T1	1	2/26/2010 12:12:25 AM	2031	4010	RS	BG766808870		
<input type="checkbox"/>	<a href="#">BARS93041100005178</a>	201093041C5177	EX - 3	1	2/26/2010 12:00:00 AM	93041	93017	RS	NS153196		5
<input type="checkbox"/>	<a href="#">BARS97098100003244</a>	201097098C3244	EX - 1	1	2/26/2010 12:00:00 AM	97098	97012	RS	BG826246		
<input type="checkbox"/>	<a href="#">BARS97098100003242</a>	201097098C3242	EX - 1	1	2/26/2010 12:00:00 AM	97098	97039	HR	ČK003ZM		Č
<input type="checkbox"/>	<a href="#">BARS93041100005171</a>	201093041C5170	EX - 1	1	2/26/2010 12:00:00 AM	93041	93017	BA	793K987		8
<input type="checkbox"/>	<a href="#">BARS93041100005168</a>	201093041C5167	EX - 1	1	2/26/2010 12:00:00 AM	93041	10301	BA	200M745		3
<input type="checkbox"/>	<a href="#">BARS93041100005165</a>	201093041C5164	EX - 1	1	2/26/2010 12:00:00 AM	93041	93017	BA	263J459		
<input type="checkbox"/>	<a href="#">BARS96024100000453</a>	201096024C559	TR	1	2/26/2010 12:00:00 AM	96024	10807	RS	UE76314		5

My Page

CIL Records

Pre Arrival Empty Trucks (INCOMING)

Register NEW INCOMING Empty Truck

Registered INCOMING Empty Trucks

Empty Trucks (OUTGOING)

Register NEW OUTGOING Empty Truck

Pre Arrival

Full Trucks

Simplified procedures e-TIR

Domestic

Full Trucks

Simplified procedures e-TIR

Settings

# Web application – Filter Builder





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The screenshot shows a web application interface with a 'Filter Builder' dialog box open. The background interface includes a top navigation bar with 'Data From: Last 3 days', 'Details Export Mode: None', and 'All'. Below this is a table with columns like '#', 'CIL Number', and 'Issue date'. A filter rule is visible: '[Customs Departure Office] Equals '13013''. The 'Filter Builder' dialog box is titled 'Filter Builder' and contains a list of comparison operators. The current selection is 'Items Equals <enter a value>'. The operators listed are:

- = Equals
- ≠ Does not equal
- > Is greater than
- ≥ Is greater than or equal to
- < Is less than
- ≤ Is less than or equal to
- 📏 Is between
- 📏 Is not between
- Is blank
- 🟢 Is not blank
- 🟢 Is any of
- 🔴 Is none of

The dialog box also has a 'Cancel' button and a close 'X' icon in the top right corner.


# Web application – Filtered

Data From: Last 3 days Details Export Mode: None All | Export to:    

Drag a column header here to group by that column

#	CIL Number	Declaration ID	Type Part One	Items	Issue date	Customs Destination Office	Customs Depa Office
				2			
<input type="checkbox"/>	<a href="#">MKRS2031100004420</a>	20101015D1376	T1	6	2/23/2010 4:08:37 PM	2031	1015
<input type="checkbox"/>	<a href="#">MKRS2031100004411</a>	20103010D423	T1	3	2/23/2010 3:14:25 PM	2031	3010
<input type="checkbox"/>	<a href="#">MKRS2031100004392</a>	20103010D420	T1	5	2/23/2010 1:51:20 PM	2031	3010
<input type="checkbox"/>	<a href="#">MKRS2031100004395</a>	20101015D1368	T1	9	2/23/2010 1:50:44 PM	2031	1015
<input type="checkbox"/>	<a href="#">MKRS2031100004382</a>	20101015D1353	T1	4	2/23/2010 11:23:16 AM	2031	1015
<input type="checkbox"/>	<a href="#">MKRS2031100004301</a>	20103010D418	T1	7	2/22/2010 4:28:22 PM	2031	3010
<input type="checkbox"/>	<a href="#">MKRS2031100004297</a>	20101015D1342	T1	3	2/22/2010 4:02:05 PM	2031	1015
<input type="checkbox"/>	<a href="#">MKRS2031100004295</a>	20103010D413	T1	2	2/22/2010 3:41:54 PM	2031	3010
<input type="checkbox"/>	<a href="#">MKRS2031100004282</a>	20104015D30	T1	4	2/22/2010 12:26:45 PM	2031	4015

[Items] Is greater than or equal to '2'

 Save as Default Layout Reset Grid Layout

# Web application – Filtered details

<span>☰</span> Data From: <input type="text" value="Last 3 days"/> Details Export Mode: <input type="text" value="None"/> <input type="text" value="All"/>   Export to: <span>☰</span>																																																																
Drag a column header here to group by that column																																																																
#	CIL Number	Declaration ID	Type Part One	Items	Issue date	Customs Destination Office	Customs Dep Office																																																									
<input type="checkbox"/>	<a href="#">MKRS2031100004420</a>	20101015D1376	T1	6	2/23/2010 4:08:37 PM	2031	1015																																																									
<table border="1"> <thead> <tr> <th>Item</th> <th>Description</th> <th>Comodity Code</th> <th>Gross Mass</th> <th>Net Mass</th> <th>Dispatch Country</th> <th>destination Country</th> <th>Country of Origin</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>---Rabotni</td> <td>62032310</td> <td>16.32</td> <td>16.32</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>2</td> <td>---Rabotni</td> <td>62033310</td> <td>100.28</td> <td>100.28</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>3</td> <td>----Rabotni</td> <td>62034311</td> <td>9.46</td> <td>9.46</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>4</td> <td>----Rabotni</td> <td>62034331</td> <td>43.91</td> <td>43.91</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>5</td> <td>---Rabotna</td> <td>62113310</td> <td>197.37</td> <td>197.37</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>6</td> <td>---Prestilki, nametki i druga rabotna obleka</td> <td>62114310</td> <td>128.64</td> <td>128.64</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>									Item	Description	Comodity Code	Gross Mass	Net Mass	Dispatch Country	destination Country	Country of Origin	1	---Rabotni	62032310	16.32	16.32	NA	NA	NA	2	---Rabotni	62033310	100.28	100.28	NA	NA	NA	3	----Rabotni	62034311	9.46	9.46	NA	NA	NA	4	----Rabotni	62034331	43.91	43.91	NA	NA	NA	5	---Rabotna	62113310	197.37	197.37	NA	NA	NA	6	---Prestilki, nametki i druga rabotna obleka	62114310	128.64	128.64	NA	NA	NA
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1	---Rabotni	62032310	16.32	16.32	NA	NA	NA																																																									
2	---Rabotni	62033310	100.28	100.28	NA	NA	NA																																																									
3	----Rabotni	62034311	9.46	9.46	NA	NA	NA																																																									
4	----Rabotni	62034331	43.91	43.91	NA	NA	NA																																																									
5	---Rabotna	62113310	197.37	197.37	NA	NA	NA																																																									
6	---Prestilki, nametki i druga rabotna obleka	62114310	128.64	128.64	NA	NA	NA																																																									
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<input type="checkbox"/>	<a href="#">MKRS2031100004392</a>	20103010D420	T1	5	2/23/2010 1:51:20 PM	2031	3010																																																									

# Web application – Grouping

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☰ Data From: Last 3 days ▾ Details Export Mode: None ▾ All ▾

Customs Destination Office ▾ Transport Border Nationality ▾

#	CIL Number ▾	Declaration ID
	<input type="text"/>	<input type="text"/>
⊕	Customs Destination Office: 2031	
⊕	Customs Destination Office: 93025	
⊖	Customs Destination Office: 93041	
⊕	Transport Border Nationality: BA	
⊕	Transport Border Nationality: MK	
⊕	Transport Border Nationality: RS	
⊕	Transport Border Nationality: TR	
⊕	Customs Destination Office: 97071	
⊕	Customs Destination Office: 97098	

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# Benefits

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- Administrative capacity building:
  - Prevention: smuggling, undervaluation, corruption;
  - Improvement: Risk Analysis/Profiling, Technical (IT) capacity ;
  - Acceleration of customs procedures & Facilitation of legitimate trade.
- Regional Cooperation:
  - Cross-border and inter-agency cooperation and communication (IBM);
  - Sustainability in administrative cooperation;
  - Reduce security risks in the Region.
- EU Integration Perspective:
  - Interoperability/Interconnectivity exercise for all BAs;
  - One step towards paperless customs (e-customs);
  - Possibility for communication with EC SPEED or Common Domain;

# Current status of SEED Pilot Actions

	Serbia	BiH	Montenegro	UNMIK/Kosovo	FYROM	Albania
Serbia	Grey	Green	Green	Red	Green	Grey
BiH	Green	Grey	Red	Grey	Grey	Grey
Montenegro	Green	Red	Grey	Red	Grey	Yellow
UNMIK/Kosovo	Red	Grey	Red	Grey	Green	Red
FYROM	Green	Grey	Grey	Green	Grey	Red
Albania	Grey	Grey	Yellow	Red	Red	Grey

## Legend:

Green	No legal issues Technical conditions met
Yellow	Incomplete legal basis OR Some technical issues
Red	No legal basis OR No technical conditions
Grey	Not Applicable





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Thank you for your attention!