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1	
2	TO:
3	Unit E.2: Cloud & Software
4	Directorate-General for Communications Networks, Content and Technology
5	European Commission
6	
7	
8	Reference: Roadmap – Ref. Ares(2019)867420 – 13/02/2019 – Informative guidance on the
9	Regulation on the Free flow of non-personal data
10	regulation on the free how of non personal data
11	First of all, a lot of thanks to Directorate-General for Communications Networks, Content and
12	Technology for organising this important consultation.
13	reemology for organising tins important constitution.
14	This opinion represents an opinion of an individual citizen, not any legal entity.
14	This opinion represents an opinion of an individual entizen, not any legal entity.
16	This opinion does not contain:
17	- any business secrets
18	<ul> <li>any busiless secrets</li> <li>any trade secrets</li> </ul>
10	
20	<ul> <li>any confidential information.</li> </ul>
	This opinion is public
21	This opinion is public.
22	PDF file of this opinion can be added to a relevant web page.
23	
24	Annex 1 holds information about previous consultations at the European Union level.
25	Annex 2 holds information about disclaimers and copyright.
26	
27	
28	
29	Best Regards,
30	
31	
32	
33	Jukka S. Rannila
34	citizen of Finland
35	
36	signed electronically
37	
38	
39	[Continues on the next page]
40	
41	

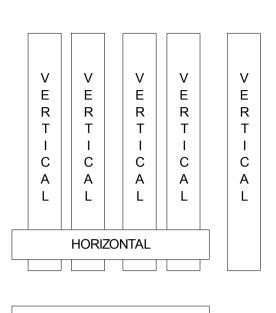
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42	
43	Previous opinions
44	
45	Annex 1 holds information about previous consultations and my previous opinions.
46	
47	Here we can note that I have repeated the same issues based on previous consultations. Different
48	units of the European Commission already know something about my previous opinions
49	
50	This consultation
51	
52	On roadmap (Ref. Ares $(2019)$ 867420 – 13/02/2019) document (page 2) is following text:
53 54	In this warrand, the chievetive of the present initiative is to previde the businesses with
54 55	In this regard, the objective of the present initiative is to provide the businesses with clarity and understanding of the Free flow of non-personal data regulation.
56	clarity and understanding of the Free now of non-personal data regulation.
57	Here I not that clarity and understanding of the Free flow of non-personal data regulation means
58	assessing different standards.
59	
60	About different standards
61	
62	I have proposed several times usage of <i>open horizontal standards</i> when developing different
63	information systems.
64	
65	Favouring open standards / Favouring horizontal standards
66	
67	There are differences between horizontal and vertical standards. A simple example is naturally
68	email solutions. There are several vertical standards when creating technically email solutions. Then
69 70	there are horizontal standards which enable sending messages between technically different email
70 71	solutions.
72	
72	[Continues on the next page]
15	[continues on the next page]

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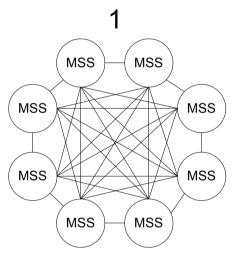
HORIZONTAL

74	
75	
76	Proposal: There could be assessment of vertical and horizontal standards.
77	
78	Proposal: Using horizontal standards could be favoured when creating different
79	information systems at the European Union level.
80	
81	Horizontal standards enables technological solutions which can work together. Horizontal standards
82	hides different complexities in information systems.
83	
84	<b>Opinion:</b> The number of redundant standardisation efforts should be minimal.
85	-
86	Proposal: There could be separation of horizontal standards and vertical standards.
87	
88	Proposal: There could be different standardisation efforts to horizontal standards and
89	vertical standards
90	
91	Personally I have advocated using different open horizontal standards. For example email standards
92	(horizontal) are implemented with very different technologies (vertical).
93	
94	Here we can note that different national details can be vertical standards.
95	
96	Proposal: Different (vertical) national details (standards) should not hinder usage of
97	(European) other standards (horizontal).
98	(Luropeur) etter sundur us (normanitus).
99	
100	Here we can note some problems:
101	There we can note some problems.
101	

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102	•	some systems are based on <b>de</b>	<b>-facto</b> standards	
103	•	some systems are based on de		
104	•	•	etween <b>de-facto</b> and <b>de-jure</b> st	andards
105	•	there can be a monopoly situa		
106	•		ossible actions of some stakeho	olders
107	•	there can be a standard war of		
108	•	standards have different life-c	cycles	
109	•	systems have different life-cy	-	
110	•	there can be mismatches betw		
111	•	there can be failed standards	-	
112	•	there can be deprecated stand	ards.	
113				
114	It is quite no	ormal situation in the information	n technology field that there are	e competing standards
115	1	plication field. Therefore there a	00	
116		information technology standard		e "standards war" or
117	"format wan	r" can lead to another similar situ	lation.	
118				
119		cated open standards even thoug	-	
120				
121				
122	5 1			
123	e e			
124 125	some applic	ation fields.		
125	There are di	ifferent standards setting organisation	ations on the information techn	ology field. One list <sup>1</sup> of
120		ards setting organisations is provi		lology field. One list of
127	these standa	itus setting organisations is provi	ded by consolutionino.org.	
120	One warnin	g can be said about standards set	ting organisations All standard	ls setting organisations
130		esses based on several factors an	0 0	0 0
131		ns. Market situation on different		
132	organisation			
133	Pro	posal: Current standardisation	(e.g. list provided by Consor	tiumInfo.org) efforts by
134	-	erent standard setting organisa		<i>e</i> ,
135				J
136	Personally I	have advocated using different l	horizontal standards. For exam	ple email standards
137		are implemented with very diffe		1
138	· · · · ·	1		
139	Proj	posal: Governments should esp	ecially concentrate on horizo	ntal standards.
140				
141	Proj	posal: Some government agenc	ies could apply for membersl	hips of different
142	stan	dard setting organisations whi	ch develop especially horizon	tal standards.
143				
144	-	posal: Government agencies sh		ers when different
145	hori	zontal standards are developed	l.	
	1 Stondard S	latting Organizations and Standard - I :-	t www.concortiuminfo.com/linter/lint	ccall nhn
	i Standard S	Setting Organizations and Standards Lis	t, <u>www.consortiummio.org/imks/imk</u>	<u>san.pnp</u>

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- Proposal: Government agencies could financially support development of horizontal
  standards.
- Proposal: There could some guidance for using open horizontal standards on different
   application fields.
- 152
- 153 Complexity at the European Union level
- 154155 I have noted several times that different member state systems (MSS) can interlinked in many ways.
- 156 This means that co-operation with European Union systems means a lot of work. This leads to the
- 157 question of a European Contact Point (EUCP) for different member state systems (MSS).
- 158



**MSS** = Member State System

161

162 There are 28 member states (European Union) at the moment. In reality there are unique situations

- 163 with information systems in different member states. In some cases information systems can be
- 164 implemented based on complex system-to-system connections. Complex system-to-system
- 165 connections means a lot of work when there are changes in some systems.
- 166

167 Here we can calculate connections based on number of information systems.

168 169  $1 \ge 28$  member state systems = 28 systems  $5 \ge 28$  member state systems = 140 systems 170 171  $10 \ge 28$  member state systems = 280 systems  $15 \times 28$  member state systems = 420 systems 172  $20 \times 28$  member state systems = 560 systems. 173 174  $28 \times 30$  member state systems = 840 systems 175 176 177

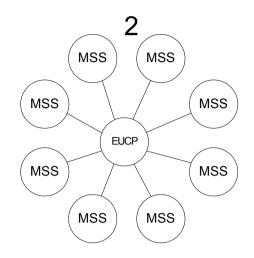
# Proposal: Complex system-to-system connections implemented in information systems could be assessed carefully.

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- 178
- 179
- 180

MSS = Member State System EUCP = European Contact Point

181

182 Naturally there could be direct contacts between different member state systems (MSS) and

183 European Union Contact Point (EUCP). This option (MSS  $\leftrightarrow$  EUCP) could mean very large

184 number of different member state system. Based on 28 member state systems there could be

185 hundreds of connections. One option is to have a single European contact point for member state

systems. Here we can note that there can be hierarchy between different system (EU  $\leftrightarrow$  member

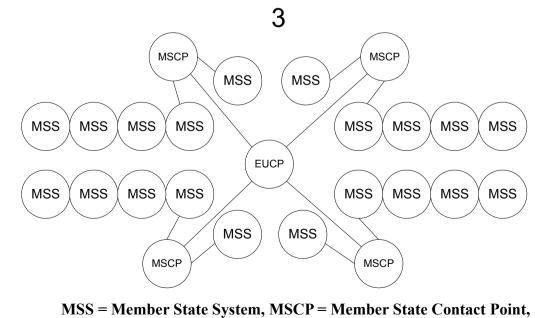
187 states) and there can be member state contact points (MCP). Then there can be some hierarchy 188 between different systems. (European Union  $\leftrightarrow$  EUCP  $\leftrightarrow$  MSCP  $\leftrightarrow$  MSS  $\leftrightarrow$  Member State). There

188 between different systems. (European Union  $\leftrightarrow$  EUCP  $\leftrightarrow$  MSCP  $\leftrightarrow$  MSS  $\leftrightarrow$  Member State). There 189 are unique situations with member statesystems in member states. Therefore member state contact

- points (MCP) can reduce the complexity with European Union contact point (EUCP).
- 191

192 193

194



EUCP = European Contact Point

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Based on those calculations there could be a lot of direct connections to the European contact point.
Number of those connections can be overwhelming. The situation between member states can vary
in many ways. So there can different and unique systems between member states.

I have proposed several times creation of member state contact points which could handle different
 system-to-system connections at member state level. Then it can be easier to create connections
 between member state contact points and European contact point.

- 204Proposal: There could be one information system (member state contact point, MSCP)205at member state level.
- 207Proposal: Different member state systems could be consolidated based on limited208number system-to-system connections (MSCP ↔ MSS).
- 210Proposal: One information system (member state contact point, MSCP) at member211state level could handle system-to-system connections at the European Union level212(European contact point) (EUCP↔ MSCP).
- 213
  214 Proposal: There could be some serious work for developing a standardised member
  215 state contact points (MSCP).
- 217Proposal: After developing a standardised member state contact point (MSCP)218different member states could consolidate their systems (MSCP ↔ MSS).
- Proposal: European Union contact point (EUCP) and member state contact points
   (MSCP) could then handle cooperation (EUCP ↔ MSCP ↔ MSS) at the European
   Union level.

Naturally we have to note that developing a standardised member state contact point (MSCP) means more work. On the other hand a standardised member state contact point (MSCP) could handle cooperation (EUCP  $\leftrightarrow$  MSCP  $\leftrightarrow$  MSS) based on unique situations in member states. Some member states may have more systems than other member states. We have to note that there are different systems based on several technological solutions.

#### 230 About different identifiers (ID)

231

229

Developing a standardised member state contact point (MSCP) means some work to be done. Here we can note that there will be several <u>identifiers</u> when developing new systems and maintaining current systems (EUCP  $\leftrightarrow$  MSCP).

235

I have proposed several times to use *open and public identifiers* when developing different
 information system.

238

## 239 More and more new identifiers (ID)

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240	
241	In previous consultations there has been discussion about different identifiers (ID) in different
242	information systems. It can be noted from the previous opinions that there will be several and
243	different identifiers (ID) for different levels.
244	
245	Examples of these identifiers (ID) are following:
245	Examples of these identifiers (iD) are following.
	1) Frank and ID frances in distinguished a second
247	1) Facebook ID for an individual person
248	2) Facebook ID for the individual updates of individuals
249	3) Data Universal Numbering System (D-U-N-S)
250	4) Reuters instruments codes (RICs)
251	5) Social security code for individual citizens in the European Union member states
252	6) Business identity code for a company in an European Union member state
253	7) Value added tax code for a company in an European Union member state.
254	
255	The examples of private identifiers (Facebook IDs, Data Universal Numbering System (D-U-N-S),
256	Reuters Instrumens Codes (RICs)) show, that persons and/or communities can use or even demand
257	of using identifiers (ID) from privately owned information systems.
258	
259	Proposal: There could be a systematic review of different identifiers (ID) on different
260	levels.
260	
261	Proposal: Possible systematic review of different identifiers (ID) should assess different
262	situations.
	situations.
264	
265	Different information systems have also internal identifiers (ID) and external identifiers (ID) for
266	(possible) public usage. The added value for different stakeholders is provided by combination of
267	different identifiers (ID) in a specific information system.
268	
269	Proposal: The could be some assessment(s) based on different versions of different
270	identifiers (ID).
271	
272	It can be possible, that there are some legacy identifiers (ID) in the near future. It can be possible,
273	that gradually some legacy identifiers (ID) can be consolidated for more standardised identifiers
274	(ID), but this consolidation means some serious technical and administrative actions.
275	
276	Proposal: Legacy identifiers (ID) could be assessed seriously.
277	
278	When information about relevant identifiers is collected, there could be a serious assessment of
279	possible (near) monopoly situation of some identifiers. Depending on the nature of an identifier,
280	there may be a need for serious (anti-trust?) negotiations with providers of some identifiers.
281	there may be a need for serious (and drust?) negotiations with providers of some identifiers.
281	Proposal: The nature of different identifiers (ID) could be assessed.
282 283	r roposal. The nature of unterent luchtiners (1D) could be assessed.
	Duenesal. There could be serious negatisticas with some manifest of identifiers (ID)
284	<b>Proposal:</b> There could be serious negotiations with some providers of identifiers (ID).

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291 292

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295

In the European Union there has been different anti-trust cases which are related to different private sector identifiers (ID), since some of those private sector identifiers (ID) have been used in several other systems. Some private sector identifiers (ID) can mean a (near) monopoly situation.

- 289290 Organising more technical consultations?
  - Proposal: Directorate-General for Communications Networks, Content and Technology could organise more technically oriented consultations based on results of this consultations.
- 296 Some possible issues for new consultations could be following:
- 297
  298 \* identifiers at different levels (member state, European Union, global)
- 299 **\* database structures**
- 300 \* assessment of different standards open and closed
- 301 **\* technical consultation about usable technologies.**
- 303 An example for cooperation: Web feeds (RSS and Atom)
- 304

305 306

309

302



- I have advocated usage of web feeds <sup>2</sup> on several previous opinion documents. Actually there are
   two standards for web feeds: RSS <sup>3 4</sup> and Atom <sup>5 6 7</sup>.
- Proposal: Web feeds (RSS and/or Atom) could be advocated when developing different
   informations systems (EU / Member states).
- Proposal: Web feeds (RSS and/or Atom) should be used extensively for providing (realtime) information for different stakeholder(s) (communities).
- 316Proposal: There can be different web feeds (RSS and/or Atom) for different317stakeholder(s) having just one web feed (RSS and/or Atom) may not be a feasible318solution.
- 319 320
- Proposal: Several web feeds (RSS and/or Atom) can be based on different viewpoints.
- 321

2 <u>https://en.wikipedia.org/wiki/Web\_feed</u>

- 6 https://tools.ietf.org/html/rfc4287, The Atom Syndication Format
- 7 https://tools.ietf.org/html/rfc5023, The Atom Publishing Protocol

<sup>3</sup> http://www.rssboard.org/rss-specification, RSS 2.0 Specification

<sup>4</sup> https://en.wikipedia.org/wiki/RSS, Wikipedia / RSS

<sup>5</sup> https://en.wikipedia.org/wiki/Atom\_(standard), Wikipedia / Atom (standard)

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322 It can be easier to create web feeds in different information systems since web feeds enable 323 connections without direct system-to-system connections.

324

325 It can be noted, that different back-office systems (with a wide variety of different technologies) can 326 implement RSS standards, and these RSS feeds can be used in the front-office systems. With this

- kind solutions front-office systems don't need direct system-to-system communications with back office systems.
- 329
- 330
- 331

# 332 Good luck!!!

- 333 224 This enining is and
- This opinion is quite limited. Hopefully there are other constructive ideas presented in other opinions. This remains to be seen.
- 336
- 337
- 338 [Continues on the next page]
- 339

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385	EN: Opinion 19: Official Acknowledgement by the Commission
386	http://www.jukkarannila.fi/lausunnot.html#nro_19
387	
388	EN: Opinion 20: SECOND Opinion Related to the Public Undertaking by Microsoft
389	http://www.jukkarannila.fi/lausunnot.html#nro_20
390	
391	EN: Opinion 21: Opinion about the European Interoperability Strategy proposal
392	http://www.jukkarannila.fi/lausunnot.html#nro_21
393	
394	EN: Opinion 23: Public consultation on the review of the European Standardisation System
395	http://www.jukkarannila.fi/lausunnot.html#nro_23
396	
397	EN: Opinion 27: Public Consultation on the Modernisation of EU Public Procurement Policy
398	http://www.jukkarannila.fi/lausunnot.html#nro_27
399	
400	EN: Opinion 28: Consultation on the Europe 2020 Project Bond Initiative
401	http://www.jukkarannila.fi/lausunnot.html#nro_28
402	
403	EN: Opinion 30: Internet Filtering
404	http://www.jukkarannila.fi/lausunnot.html#nro_30
405	NOTE: Organised by the European Committee for Standardization (CEN) <sup>8</sup>
406	
407	EN: Opinion 32: COMP/C-3/39.692/IBM – Maintenance services
408	http://www.jukkarannila.fi/lausunnot.html#nro_32
409	
410	EN: Opinion 34: REMIT Registration Format
411	http://www.jukkarannila.fi/lausunnot.html#nro_34
412	NOTE: Organised by The Agency for the Cooperation of Energy Regulators (ACER) <sup>9</sup>
413	
414	EN: Opinion 35: Exploiting the employment potential of the personal and household services
415	http://www.jukkarannila.fi/lausunnot.html#nro_35
416	
417	EN: Opinion 37: CASE COMP/39.654 - Reuters instrument codes
418	http://www.jukkarannila.fi/lausunnot.html#nro_37
419	
420	EN: Opinion 39: Registry options to facilitate linking of emissions trading systems
421	http://www.jukkarannila.fi/lausunnot.html#nro_39
422	
423	EN: Opinion 40: Media Freedom and Pluralism / audiovisual regulatory bodies
424	http://www.jukkarannila.fi/lausunnot.html#nro_40
425	$\mathbf{EN}_{\mathbf{k}} = \mathbf{A}_{\mathbf{k}} + \mathbf{A}_{\mathbf{k}} = \mathbf{A}_{\mathbf{k}} =$
426	EN: Opinion 41: AT.39398: observations on the proposed commitments
427	http://www.jukkarannila.fi/lausunnot.html#nro_41

- 8 <u>http://www.cen.eu/</u> (Accessed 2 July 2012)
  9 <u>http://www.acer.europa.eu/</u> (Accessed 2 July 2012)

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428	
429	EN: Opinion 42: Opening up Education
430	http://www.jukkarannila.fi/lausunnot.html#nro_42
431	
432	EN: Opinion 43: Publication of extracts of the European register of market participants
433	http://www.jukkarannila.fi/lausunnot.html#nro 43
434	NOTE: Organised by The Agency for the Cooperation of Energy Regulators (ACER)
435	
436	EN: Opinion 44: Evaluation policy guidelines
437	http://www.jukkarannila.fi/lausunnot.html#nro_44
438	
439	EN: Opinion 45: About ICT standardisation
440	http://www.jukkarannila.fi/lausunnot.html#nro_45
441	
442	EN: Opinion 46: Review of the EU copyright rules
443	http://www.jukkarannila.fi/lausunnot.html#nro_46
444	
445	EN: Opinion 51: European Area of Skills and Qualifications
446	http://www.jukkarannila.fi/lausunnot.html#nro_51
447	
448	EN: Opinion 52: Trusted Cloud Europe Survey
449	http://www.jukkarannila.fi/lausunnot.html#nro_52
450	
451	EN: Opinion 53: Trade Reporting User Manual (TRUM) (Draft)
452	http://www.jukkarannila.fi/lausunnot.html#nro_53
453	NOTE: Organised by The Agency for the Cooperation of Energy Regulators (ACER)
454	ENI Originian 55. Frances Proves Provide in
455	EN: Opinion 55: European Energy Regulation
456 457	http://www.jukkarannila.fi/lausunnot.html#nro_55
457	NOTE: Organised by The Agency for the Cooperation of Energy Regulators (ACER)
458	EN: Opinion 59: Green paper on mobile Health
460	http://www.jukkarannila.fi/lausunnot.html#nro_59
461	
462	EN: Opinion 60: Cross-border inheritance tax problems within the EU
463	http://www.jukkarannila.fi/lausunnot.html#nro_60
464	
465	EN: Opinion 61: European Register of Products Containing Nanomaterials
466	http://www.jukkarannila.fi/lausunnot.html#nro_61
467	
468	EN: Opinion 64: Corporate Social Responsibility - European Commission
469	http://www.jukkarannila.fi/lausunnot.html#nro_64
470	
471	EN: Opinion 66: Net Innovation for the Work Programme 2016-2017
472	http://www.jukkarannila.fi/lausunnot.html#nro_66

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- 474 EN: Opinion 68: European Network Code Stakeholder Committees
- 475 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_68</u>
- 476 NOTE: Organised by The Agency for the Cooperation of Energy Regulators (ACER)
- 478 EN: Opinion 71: Common Schema for the Disclosure of Inside Information
- 479 http://www.jukkarannila.fi/lausunnot.html#nro 71
- 480 NOTE: Organised by The Agency for the Cooperation of Energy Regulators (ACER)
- 481
- 482 EN: Opinion 74: Enabling the Internet of Things
- 483 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_74</u>
- 484 NOTE: Organised by Body of European Regulators for Electronic Communications (BEREC)<sup>10</sup>
- 486 EN: Opinion 80: Mandatory Transparency Register
- 487 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_80</u>
- 488

485

489 EN: Opinion 84: Revision of the European Interoperability Framework

- 490 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_84</u>
  491
- 492 EN: Opinion 86: 2016 Annual Colloquium on fundamental rights
- 493 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_86</u>
  494
- 495 EN: Opinion 88: Evaluation and Review of the ePrivacy Directive 496 http://www.jukkarannila.fi/lausunnot.html#nro 88
- 497
- 498 EN: Opinion 89: BEREC Guidelines for net neutrality rules
- 499 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_89</u>
- 500 NOTE: Organised by Body of European Regulators for Electronic Communications (BEREC)
- 501 502 EN: Opinion 93: Safety of apps and other non-embedded software
- 503 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_93</u> 504
- 505 EN: Opinion 95: Targeted consultation on eForms
- 506 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_95</u> 507
- 508 EN: Opinion 97: COM(2016) 882 final 2016/0408 (COD)
- 509 <u>http://www.jukkarannila.fi/lausunnot.html#nro\_97</u>
- 510
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