International Experiences with Zero-Rating practices

Constitutional Court of Colombia, Oficio N° OPC-169/22 Thomas Lohninger (epicenter.works), 18. November 2022

Types of relevant offerings

- Sub-internet offer *
- Zero-rating against payment (sponsored data)
- Zero-rating of individual applications
- Zero-rating of classes of applications
- Zero-rating that is application agnostic

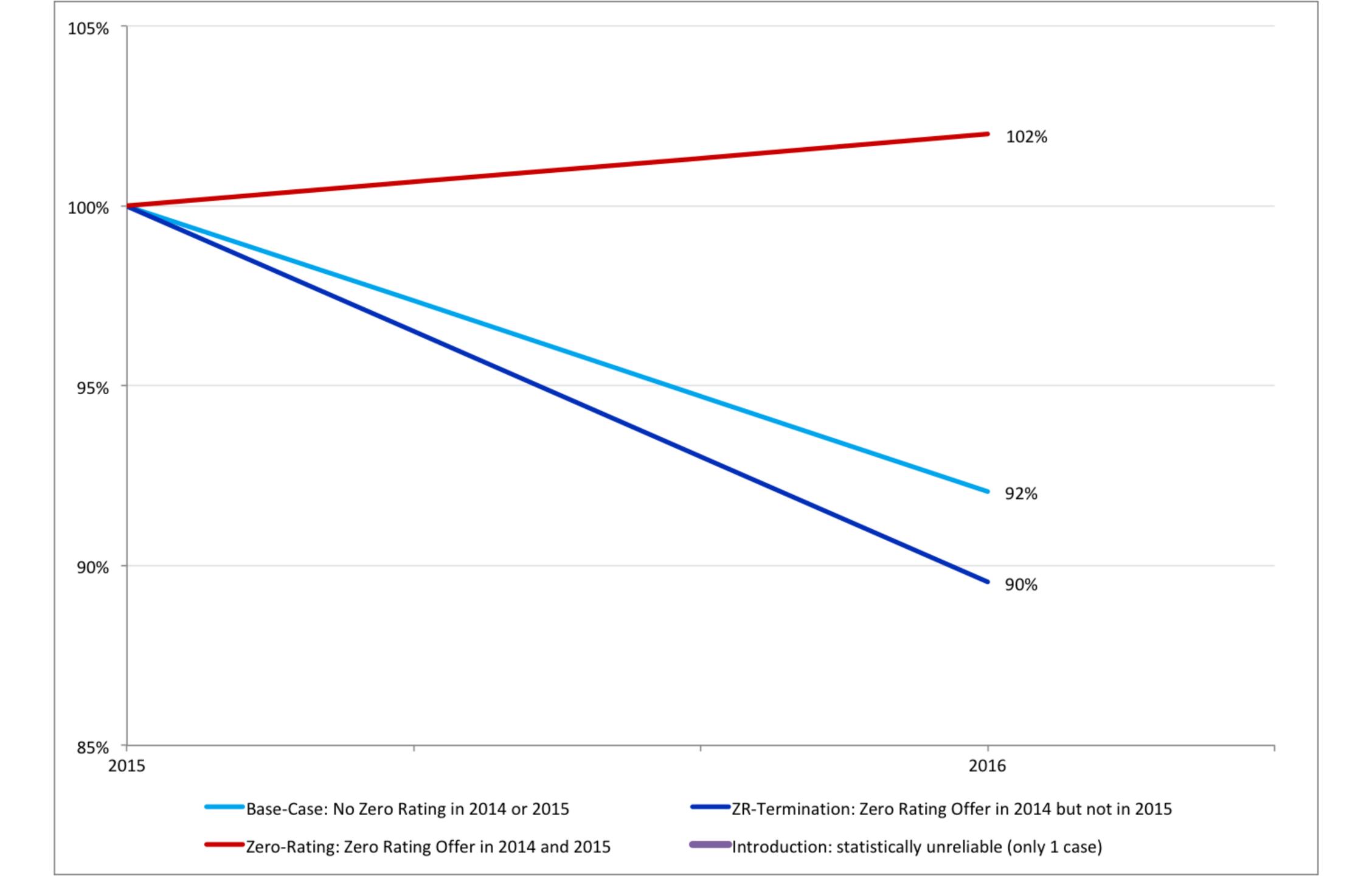
 \boxed{V} = allowed, \boxed{X} = prohibited, \sim = case-by-case

	Colombia	India	EU*	Canada	USA**	California & Washington
Sub-internet						
Sponsored data						
Individual applications						
Classes of Applications						
Application- agnostic						

^{*} post judgements of the European Court of Justice C-854/19, C-5/20 and C-34/20

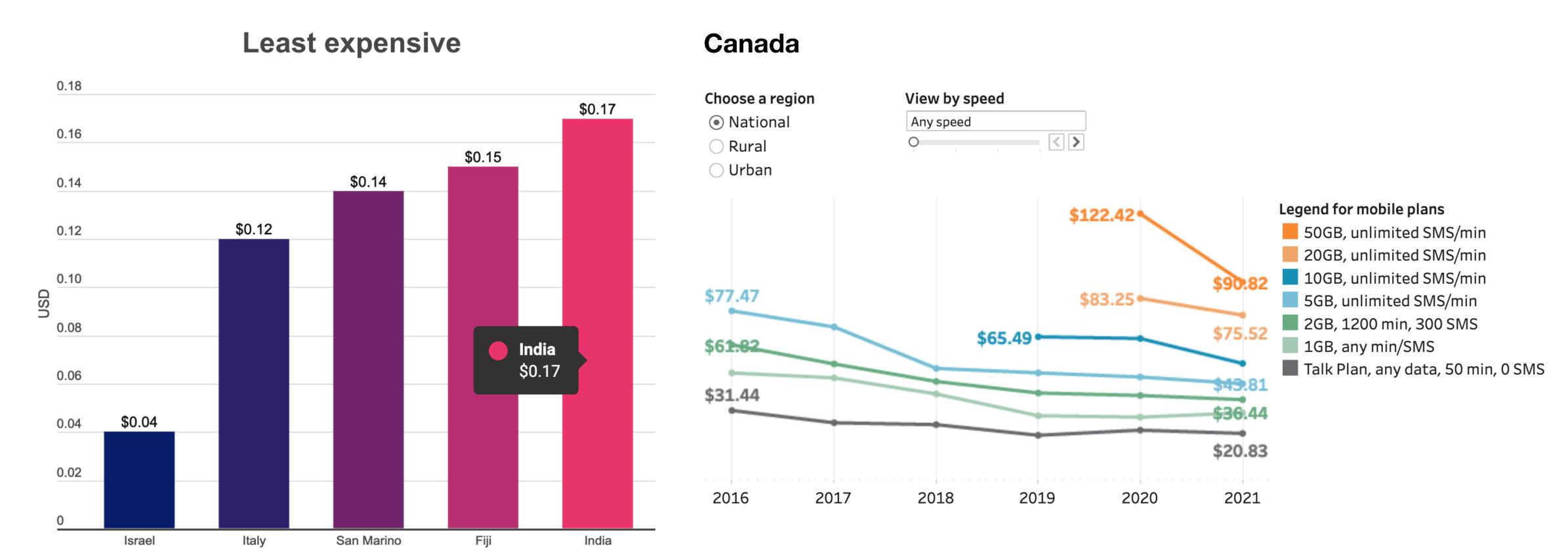
^{**} post Donald Trump repeal of the 2015 FCC Open Internet Order

Impact on the Telecom Market



Zero-rating keeps data volumes artificially low and prices high

Prohibiting zero-rating correlates with lower prices for data volume











Prohibiting zero-rating is good for the affordability of the internet

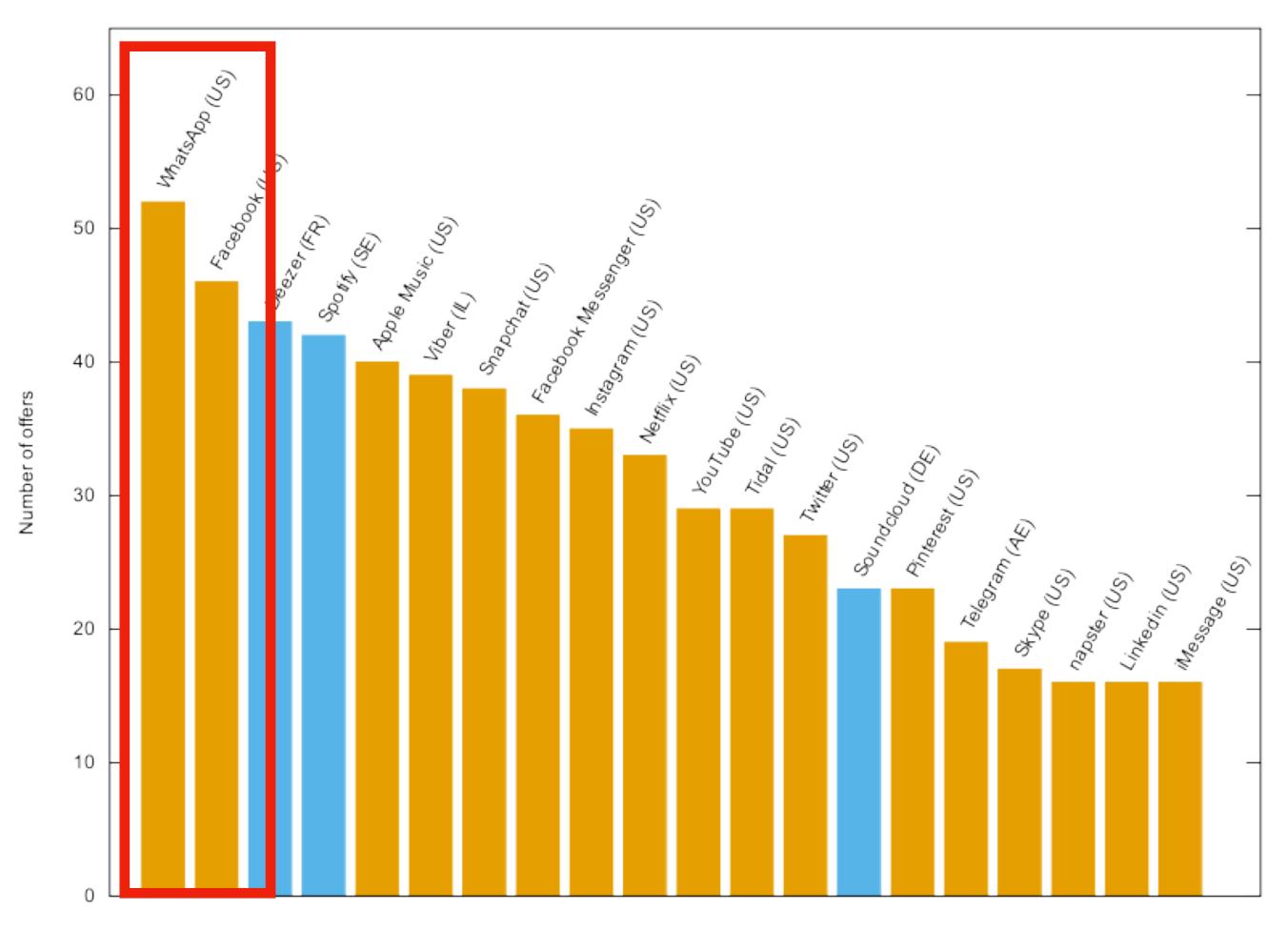


"[...] Further, the evidence on the record does not suggest that any future differential pricing practices in Canada will be implemented in a manner that improves the adoption of Internet access services or their affordability. The Commission is not persuaded that differential pricing practices would improve access to the Internet or affordability in the Canadian market."

Impact on the Application Market

US Internet Companies benefit





Aplicaciones incluidas en la oferta	Claro-	еТь	movistar	tigô	MOM	Total Pospago
f 🖸	-	1	-	1	1	3
f 🖸 🧿	-	-	-	3	2	5
f 🔯 💆	4	1	-	-	-	5
f 🖸 🧿 💆	-	1	-	-	-	1
f 😥 💆 🚇	-	-	1	-	-	1
f 🖸 🧿 💆	-	5	1	-	-	6
f 🖸 🧿 💆 🗗	-	-	1	-	-	1
Total general	4	8	3	4	3	22

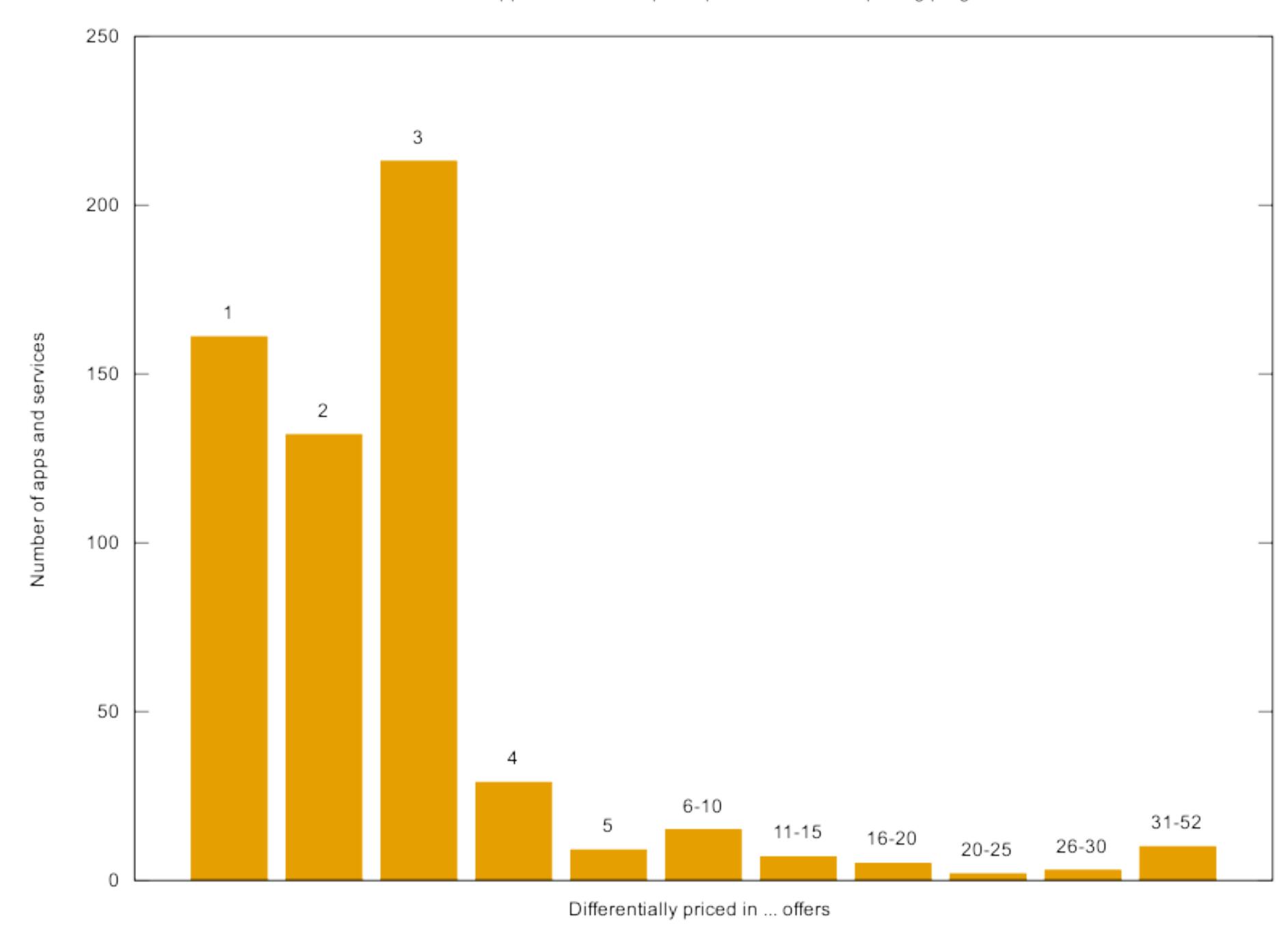
Tabla 4. Tipos de planes con zero rating o navegación adicional para aplicaciones en modalidad pospago

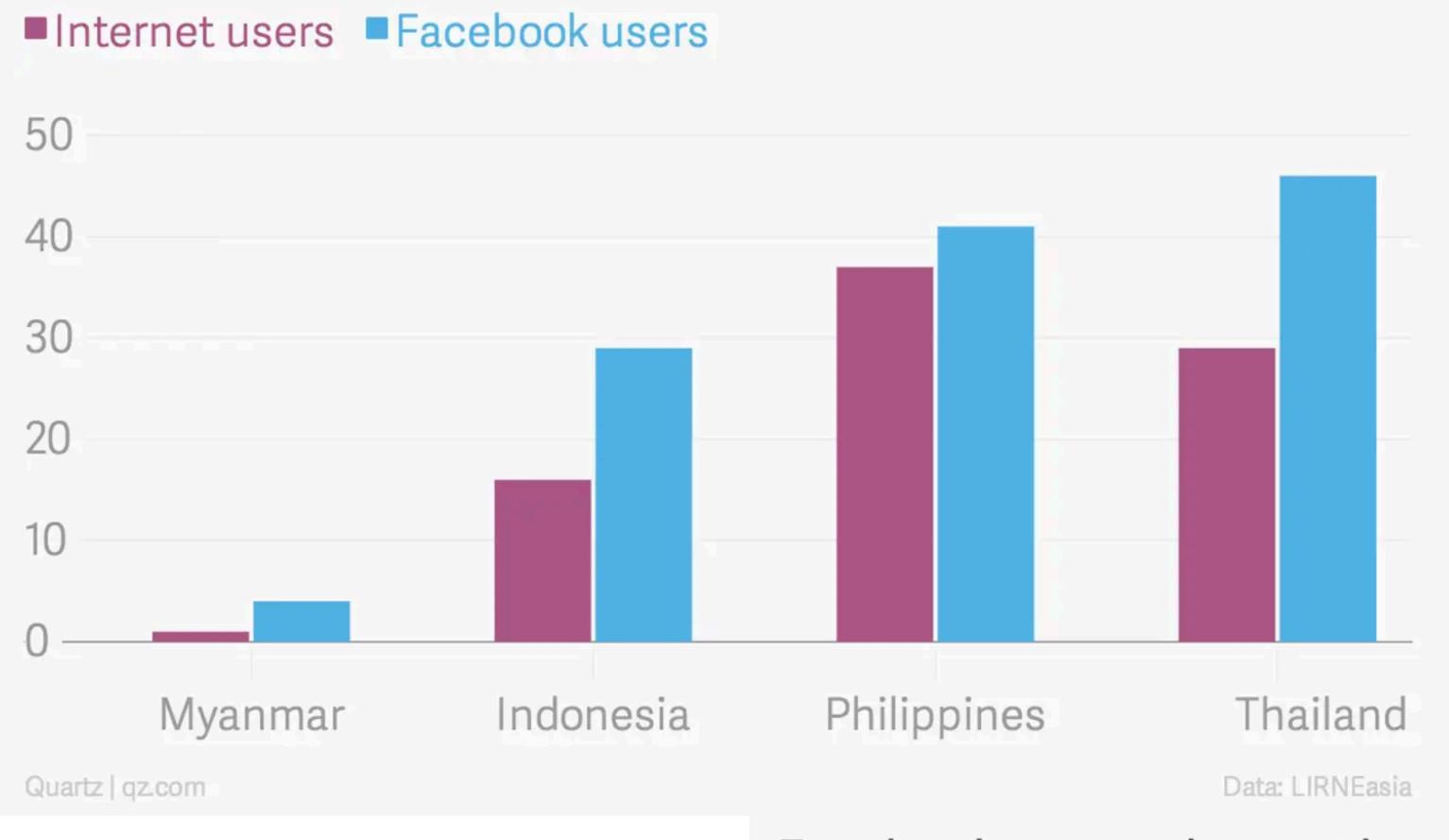
Aplicaciones incluidas en la oferta según empaquetado	Buenofôn	Claro-	еТь	⊕ móvil éxito	M movistar	tigô	Virgin	WOM	Total Prepago
Sólo navegación	-	4	-	-	3	1	6	-	14
f	_	-	-	-	_	-	2	-	2
(S)	-	1	-	-	3	-	-	-	4
f	_	-	-	-	_	1	2	-	3
f 🖸 💆	-	3	-	-	-	-	-	-	3
S.	_	-	-	_	-	-	2	-	2
Sólo voz	-	-	-	-	-	-	2	-	2
f 😥	-	-	-	-	-	-	2	-	2
Voz, SMS, Datos	6	8	5	6	13	7	12	3	60
f	6	-	-	6	-	7	10	3	32
f (S)	-	-	-	-	-	-	2	-	2
f 🖸 💆	-	8	-	-	1	-	-	-	9*
f 🖸 💆 😛	-	-	5	-	12	-	-	-	17
Total general	6	12	5	6	16	8	18	3	76

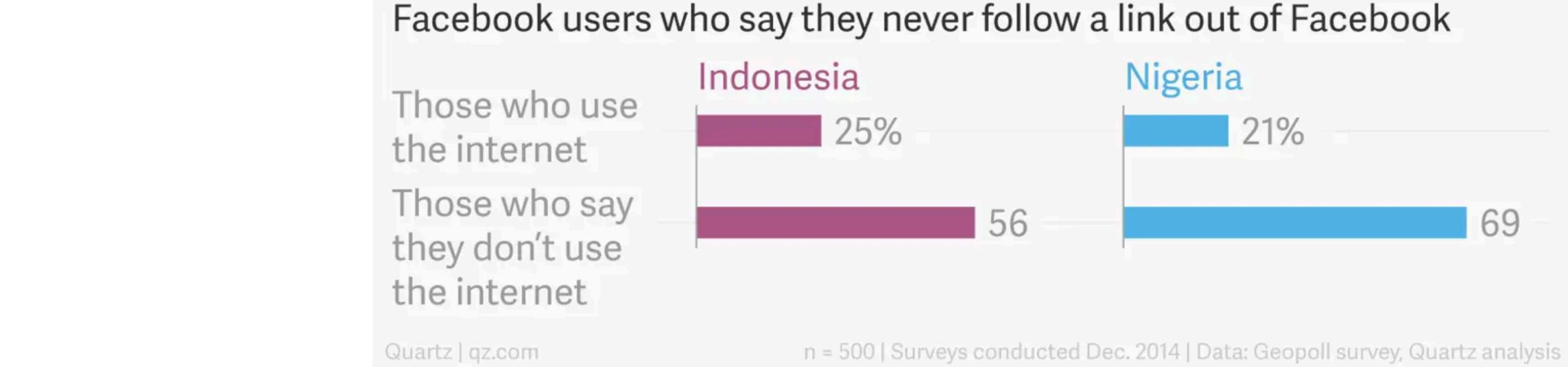
Tabla 5. Tipos de planes con zero rating o navegación adicional para aplicaciones en modalidad prepago

Steps to become a zero-rated App

- 1. Identify zero-rating offer
- 2. Understand technical and commercial conditions
- 3. Apply to the program, if possible
- 4. Sign contract and accept risk of penalties
- 5. Ongoing obligation to keep your service identifiable







Impact on Data Protection

"Shall not monitor the specific content"

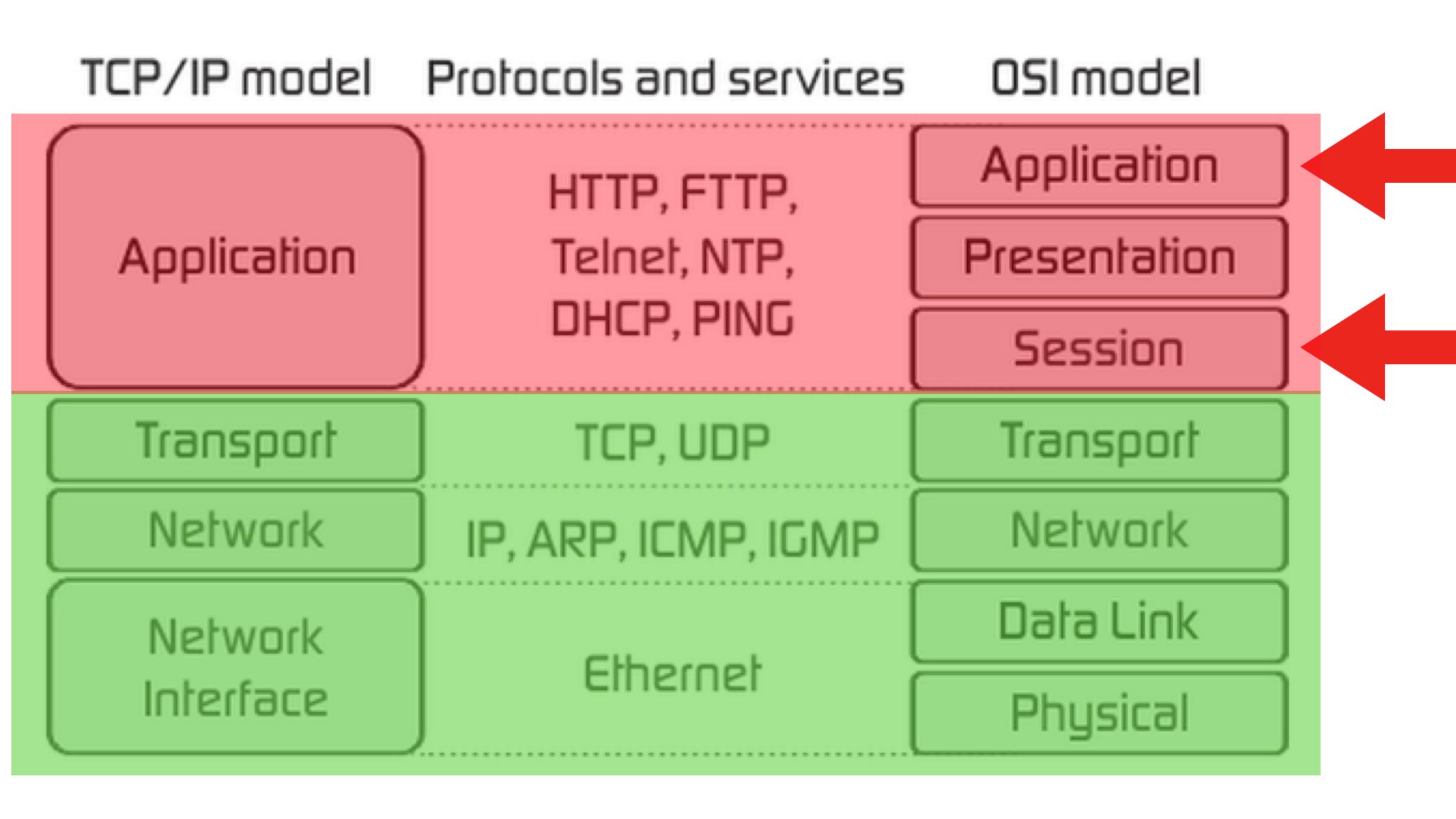
- 69. In assessing traffic management measures, NRAs should ensure that such measures do not monitor the specific content (i.e. transport layer protocol payload).
- 70. Conversely, traffic management measures that monitor aspects other than the specific content, i.e. the generic content, should be deemed to be allowed. Monitoring techniques used by ISPs which rely on the information contained in the IP packet header, and transport layer protocol header (e.g. TCP) may be deemed to be generic content, as opposed to the specific content provided by end-users themselves (such as text, pictures and video).

How to identify an application in transit?

• IP-addresses

Domain Names or URLs

Server Name Identification (SNI)



Zero-rating only classes of applications exaggerates data protection problems

Recommendations

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- Prohibit sub-internet offers, zero-rating of individual applications and classes of applications and sponsored data
 - Data volume currently reserved for these offerings should be given to the users for the same price, but application-agnostic
- Other encouraged application-agnostic forms of zero-rating
 - No data cap off-peak times (night time)
 - Low-bandwidth mode (~1,7 Mbit/s)