

eHealth Applications in Austria: Telemonitoring

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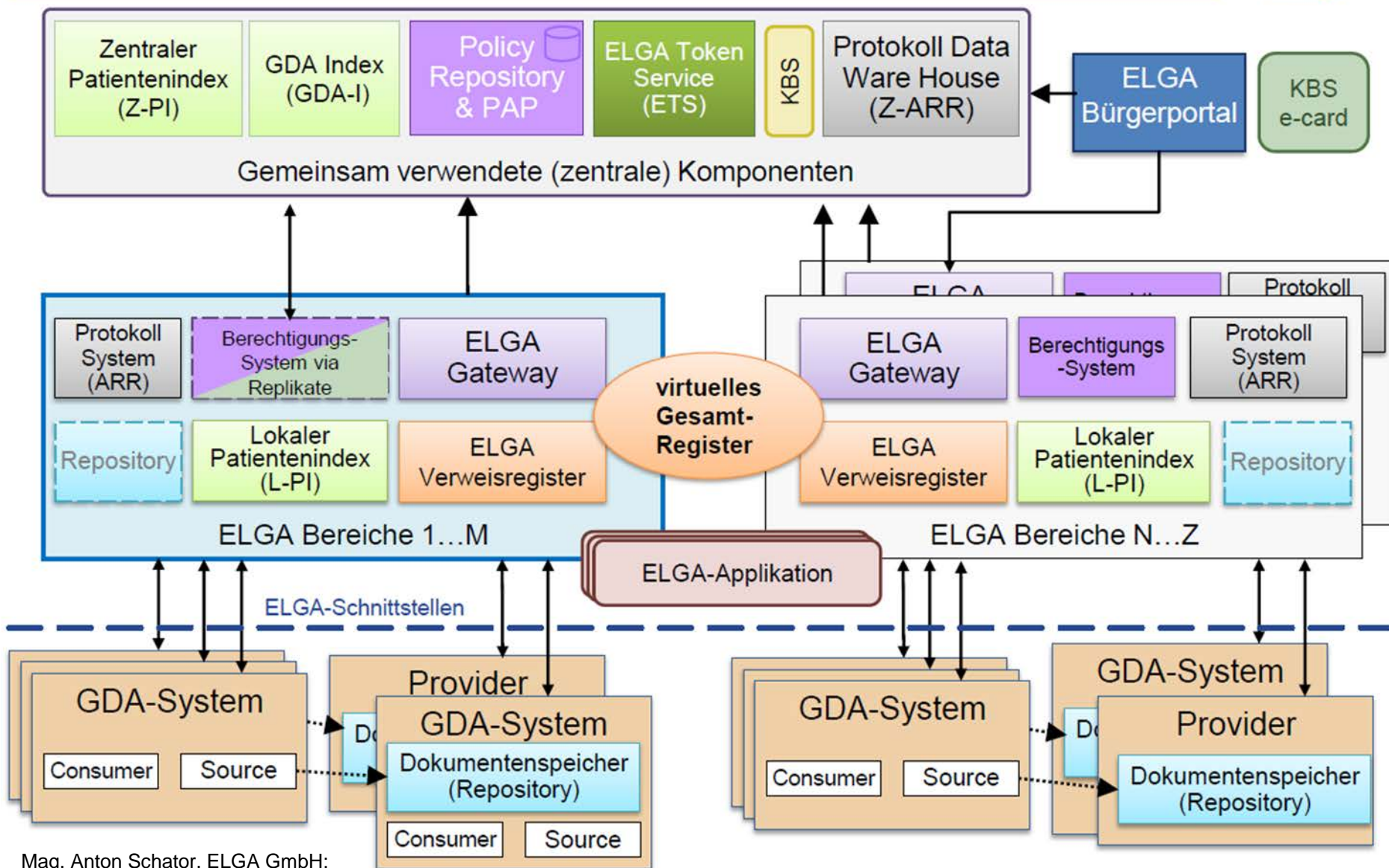
eHealth in Austria: Formally, officially situated

- Healthcare reform is a national activity
 - Ministry of Health
 - Regions
 - Social / Health Insurance providers

Electronic Healthcare Record ELGA is the central IT Infrastructure

- National electronic health record roll out:
 - Central components are online 2015-12-09
 - Vienna, Styria hospitals are already connected
 - Other hospitals in Austria scheduled until end 2016
 - Resident doctors 2017

ELGA Architecture



Mag. Anton Schator, ELGA GmbH:

„ELGA – die Einführung der Elektronischen Gesundheitsakte aus technischer Sicht“, CMG-AE Spotlight, 19. März 2013

First telemonitoring implementations in Austria planned as national coherent service

- Diabetes Mellitus Type II
- Heart failure
- Implant follow up

- COPD next candidate

- Using a committed IT architecture, including selected medical devices, apps, software, ...
- Providing quality, safety, security, interoperability, ...
- Support patients with multimorbidities

Austria: Current Activities

According to the process the Federal Ministry of Health and Women prepares to release a National Guideline on IT Architecture for Telemonitoring

Stakeholders as well as medical and technical experts are involved

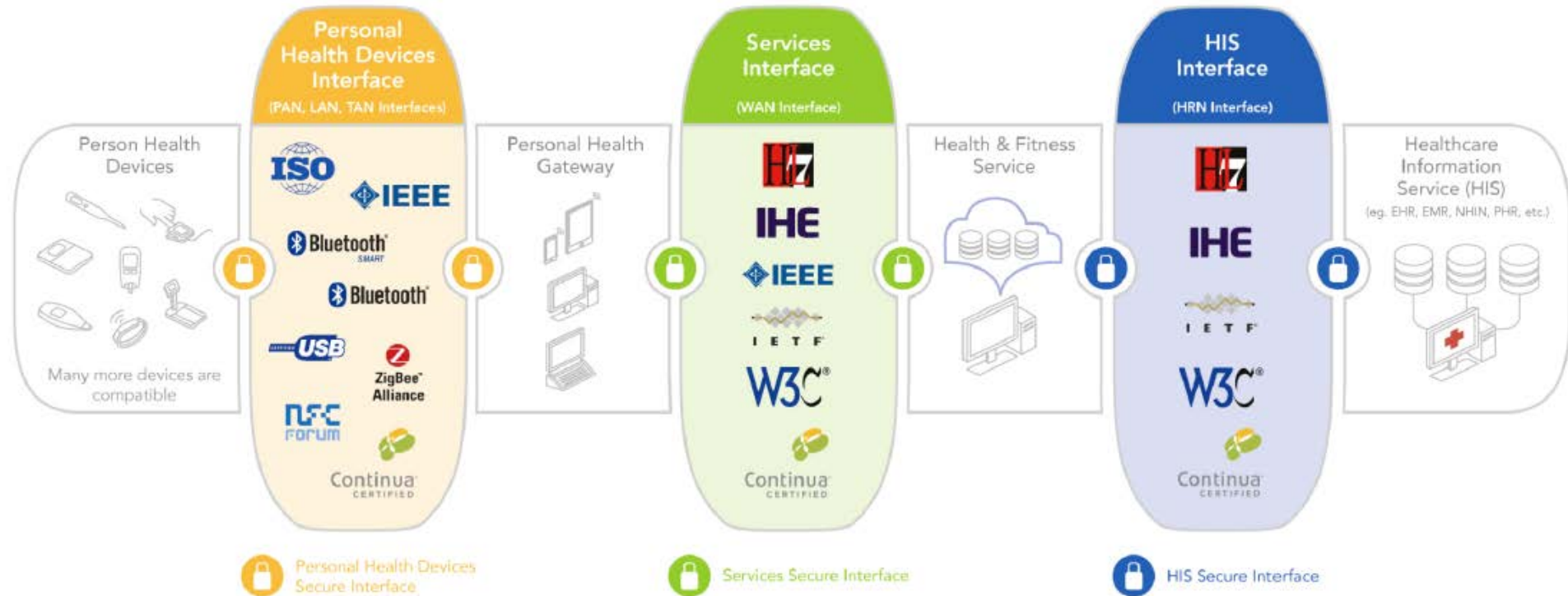
The guideline is expected end 2016

http://www.bmgf.gv.at/home/Gesundheit/E_Health_Elga/Telemedizin/#f2

Interoperable telemonitoring and Disease Management Programs or other standardized care programs: A win-win solution for the patient

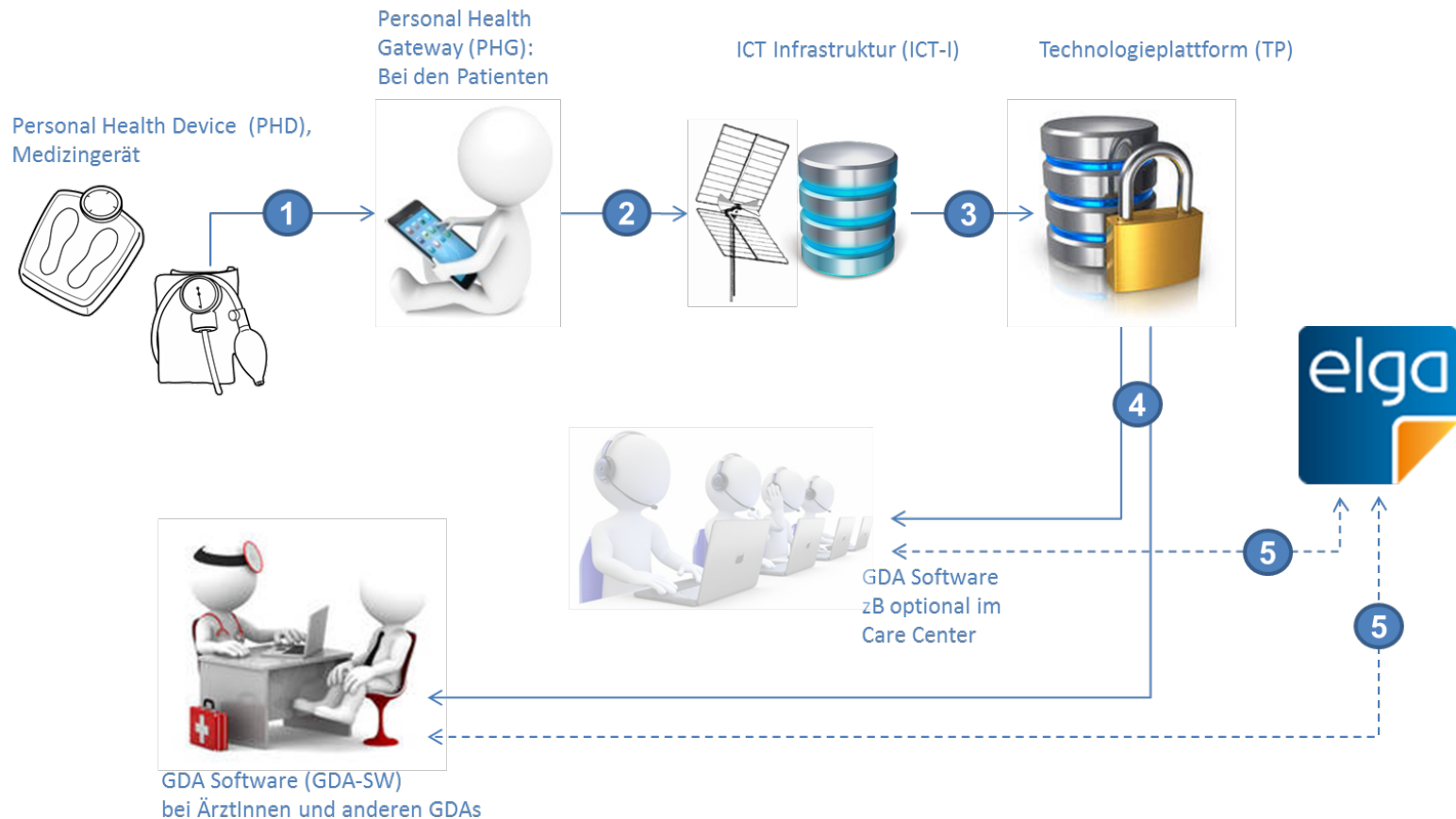
- Telehealth services will support specific Disease Management Programs (DMPs)
- DMPs define
 - Who is doing what, roles, rights, duties, ...
 - Processes: Medical, administrative, regulatory, technical, ...
- Infrastructure is needed
 - able to support all possible DMPs
 - covers basic legal, financial, organisational issues

Continua Architecture



Continua High Level Architecture. Source: Personal Connected Health Alliance (PCHA) White Paper - Fundamentals of Data Exchange, September 2015. Available online: <https://cw.continuaalliance.org/document/dl/13473>

Austrian IT Architecture Draft for telemonitoring



1
Continua
PHD
Interface:
Bluetooth,
USB, NFC,
Zigbee, ...

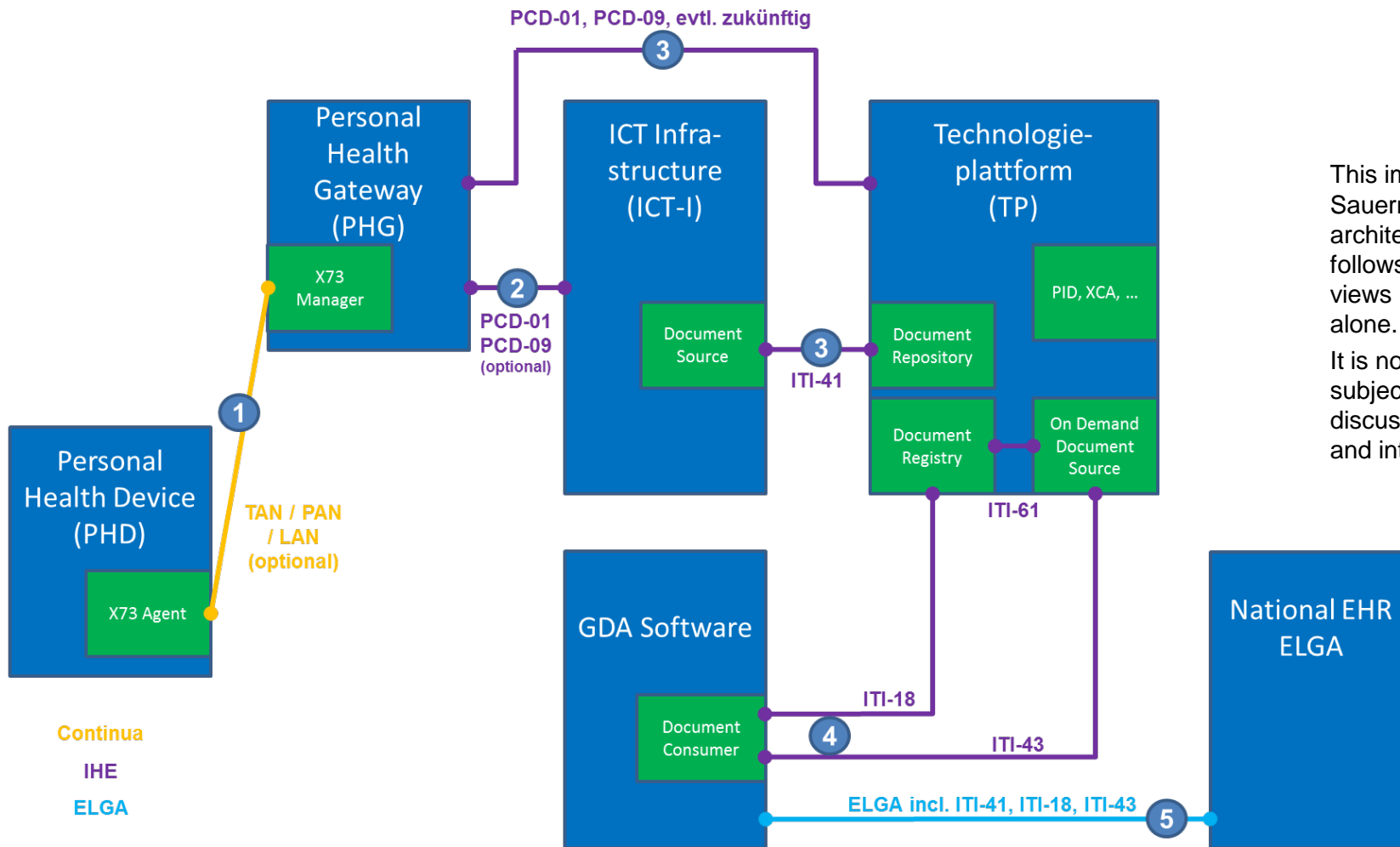
2
Continua
Services
Interface:
Funk, Kabel
zB ADSL,
UMTS, LTE, ...

3
IHE ITI 41
Transaction:
sichere IT
Netze

4
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Transaction:
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Netze

5
ELGA:
Sichere IT
Netze

Austrian IT Architecture Draft Interfaces

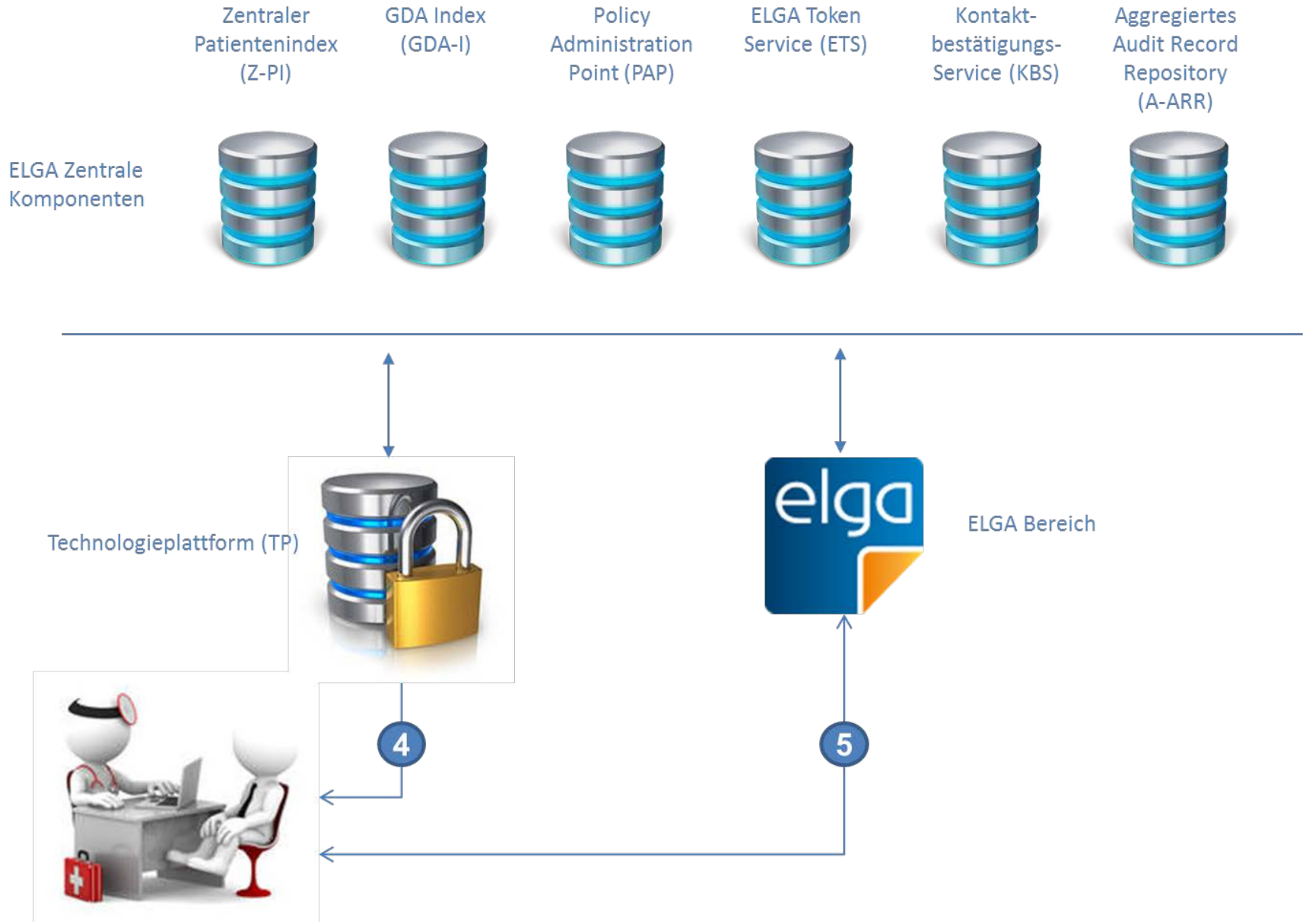


This image by Stefan Sauermaun. The architecture shown follows the personal views of the author alone.

It is not final and subject to ongoing discussions in Austria and internationally.

Austrian IT Architecture Draft

Common elements to ELGA



Nordics

- Denmark
 - Architecture finalised 2013
 - Continua recommended for PHD to AHD, not mandatory

- Norway
 - Architecture underway
 - Continua recommended for PHD to AHD, not mandatory

- Sweden
 - Architecture underway
 - Continua recommended for PHD to AHD, not mandatory

Continua Summer Summit (Paris, France): June 24-26, 2015, Opening plenary 2 – Large scale adoption, slideset on large scale adoption. Available online http://www.continuaalliance.org/sites/default/files/Continua_Open_House_LargeScaleAdoption_2015.06.24.pdf

Continua Summer Summit (Paris, France): June 24-26, 2015, Parallel session 2 – Nordic market access workshop. Slideset on nordic market access. Available online http://www.continuaalliance.org/sites/default/files/Continua_Open_House_NordicMarketAccess_2015.06.24.pdf

Current issues

- Products needed in line with IT architecture
 - Medical devices
 - Hardware, software solutions
 - Conformant to regulatory requirements

Join our engagement

- Further development of IT architecture for telemonitoring, guideline
- Harmonize on the European and global scale
- Harmonize procurement for interoperability to save time, effort and cost

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