Harmonization of
Polish National Implementation Guide of HL7 CDA with IHE PRE and IHE DIS content profiles

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Context

- Nation-wide e-health project, called P1 platform, aimed at development of the central repository for e-prescription, e-referral and central registry for other clinical documents

- Development of the Polish National Implementation Guide of HL7 CDA resulted in 200+ CDA templates in DECOR format

- The new phase of P1 project aimed at development of nationwide e-prescription and e-dispensation functionality in conformance to IHE pharmacy profiles

- Strategic decision to base Polish clinical document exchange processes on wide implementation of IHE profiles in the future

Methods

- The first step was organization of the workshop with IHE Europe experts, for the purpose of developing the vision of the IHE profiles to be consumed by this project. As a result, in the current iteration of the project, only IHE PRE and IHE DIS content profiles have been chosen.

- Polish National IG for HL7 CDA based e-prescription template, created in 2013-2015, needed to be harmonized with IHE PRE profile that were being developed in paralell by IHE. For consistency, some changes had to be made to the rest of Polish IG.

- All specification development work has been performed using HL7 Templates standard and ART-DECOR environment.

Results

- Set of CDA templates in DECOR format for Polish e-prescription and e-dispensation documents, as well as relevant XML schema and schematron files

- E-dispensation document to be included to the Polish National IG

- Set of changes to Polish IG have been recommended and will be implemented in the next release.

- Some minor changes in IHE PRE and DIS profiles have been recommended and implemented in Oct 2017 release.

Conclusion

- Conceptual harmonization of two, independently developed, specifications can be done and leads to improvement of both documents.

- The harmonization process has given us the opportunity of putting the development of Polish HL7 CDA specification a level up, reconsidering the need of extensions and making the main base templates conformant to the main HL7 and IHE HL7 CDA specifications.