Bundeskriminalamt

NFIQ II

Requirements and implementation in large scale systems
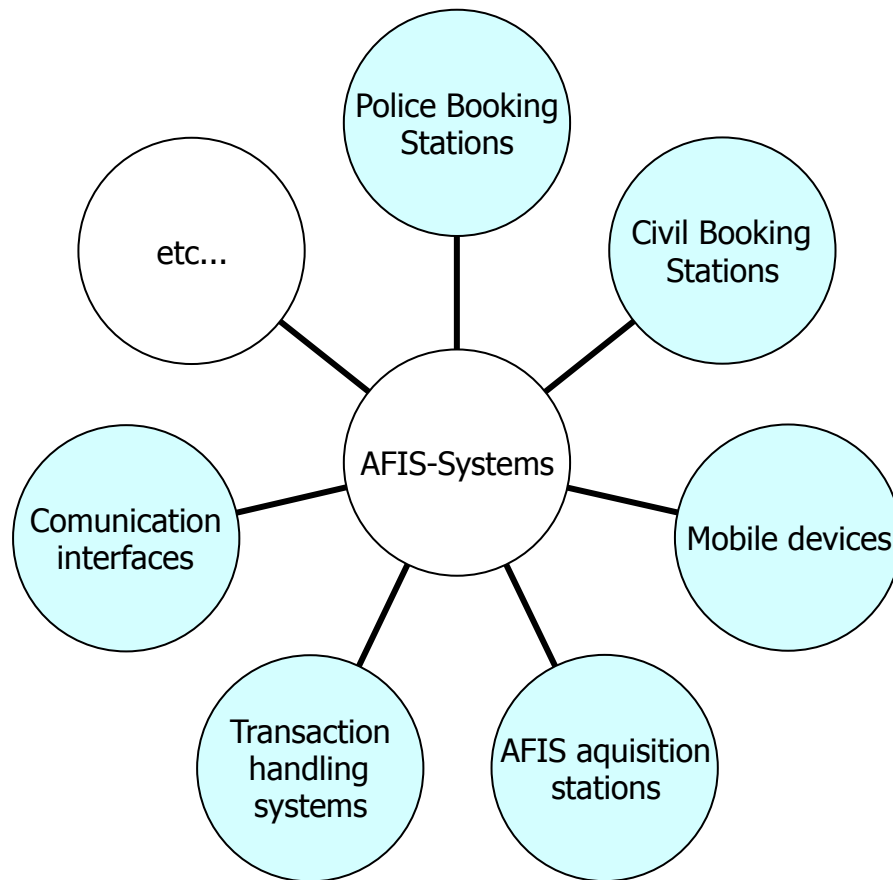
T. Ruhland, BKA

Winchester, april 26th 2013

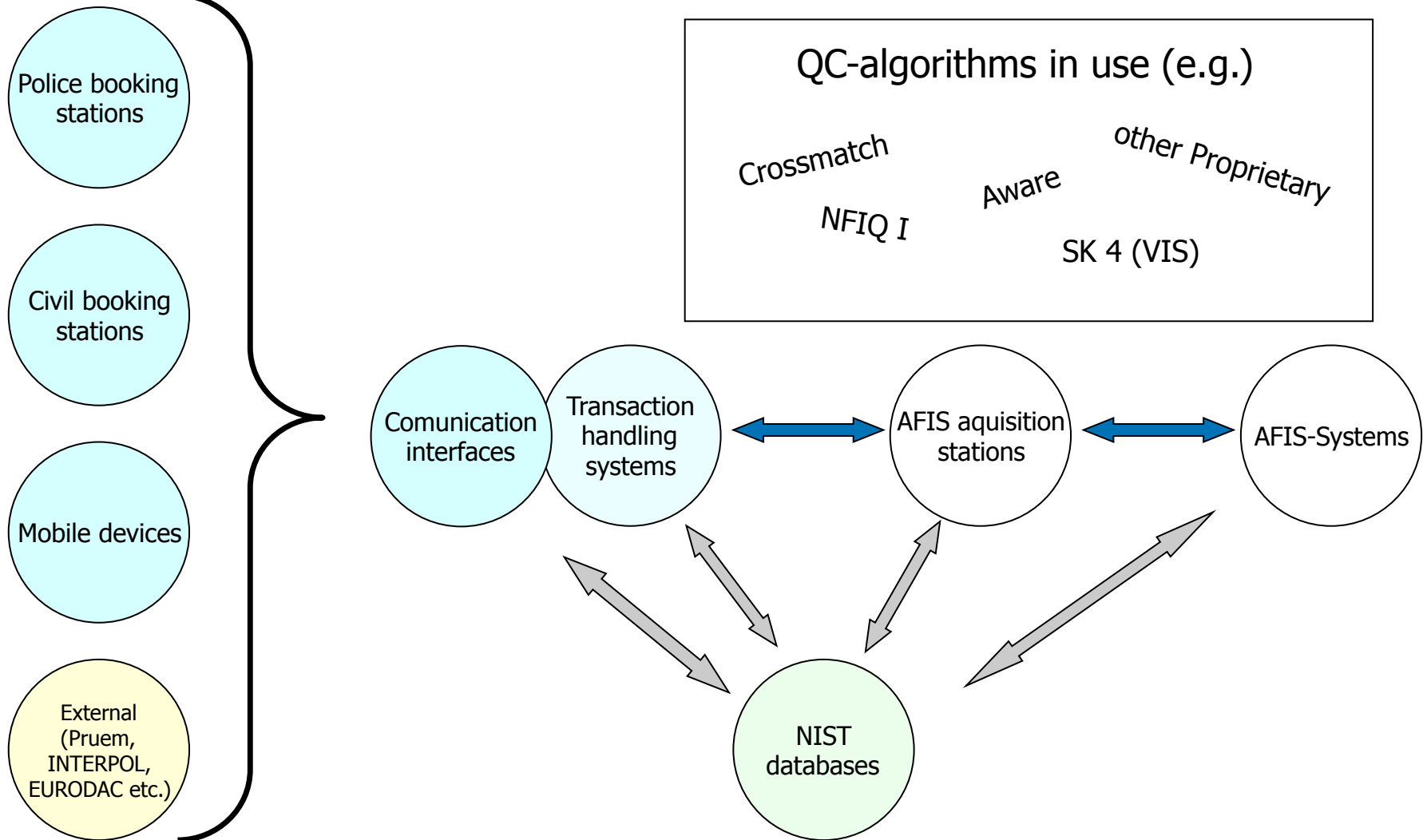# Applications and QC-Algorithms

Relevant scenarios:

-Police transactions

-Asylum seekers

-VISA-applications

-National and International exchange

Dependencies

Police booking stations

Civil booking stations

Mobile devices

External (Pruem, INTERPOL, EURODAC etc.)

QC-algorithms in use (e.g.)

Crossmatch

NFIQ I

Aware

other Proprietary

SK 4 (VIS)

Comunication interfaces

Transaction handling systems

AFIS aquisition stations

AFIS-Systems

NIST databases

Lacks of the current system

- No standardized QC-algorithm that can be used systemwide

- Quality requirements of the central unit can 't easily be checked at the booking station

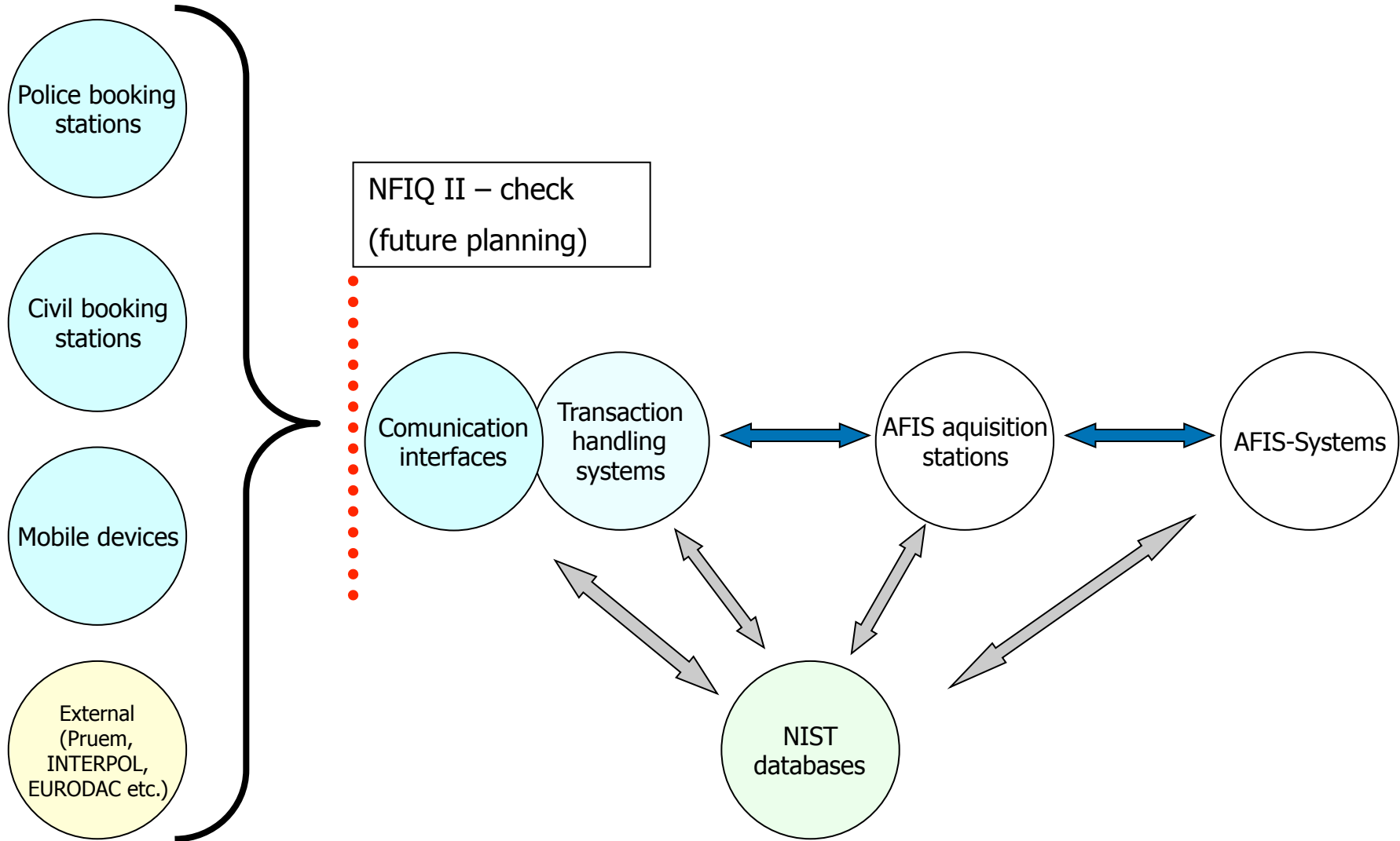- Lots of rejections, that would not be necessary

Use cases / aims for NFIQ II

- Automatic rejection of poor quality transactions

- Replacement of <u>any</u> quality check on capture stations and other implementations

- Training on latents (NLIQ) for workflow selection

Future planning

Police booking stations

Civil booking stations

Mobile devices

External (Pruem, INTERPOL, EURODAC etc.)

NFIQ II – check
(future planning)

Comunication interfaces

Transaction handling systems

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NIST databases

Contact

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