Next-generation Information Sharing Infrastructure
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Sharing between domains

- Police domain
- Social care domain
- Health care Domain (Primary/Secondary)
- Educational Domain

Information sharing
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SPoC – Single Point of Contact

Police domain

Social care domain

Educational Domain

Health care Domain (Primary/Secondary)
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Message Syntax

Police domain

Social care domain

SPoC

Roles exposed

Roles:
- CI, IS Officer, PC
- Social Worker, IS Officer, Senior Social Worker

MOPI

Security Policy

Requestor

Owner


Police domain


Social care domain

- REQUESTER = {Social worker, Doctor, Police Inspector…}.
- ATTRIBUTE = {Location, Identity, History, Behaviour, Interaction, Association}.
- OBJECT = Any searchable entity about which information is held and which is mapped to a UID within the domain.
- CONTEXT = {Crisis, Terrorism, Murder, Missing Person, Child/Adult Protection, Drugs, Volume Crime, Petty Crime, General Request}.
- OWNER = {Business Unit 1, Business Unit 2, …}.
- TIMERANGE = Definition of time.
- RECORDS = {n}.

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Invalid access

Message Syntax
Police
domain
Social care
domain
SPoC
SPoC
Owner
Requestor
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Successful request

Police domain

SPoC


Social care domain


Location: G1 1FX, Time: 1/2/2009
Location: G2 3FX, Time: 1/2/2009
Location: G10 1HH, Time: 1/2/2009
Location: G11 1FG, Time: 1/2/2009
Location: G1 1FX, Time: 1/2/2009

5 records

Return!


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Context

Police domain

Social care domain

Increasing rights

General Request

Petty Crime

Volume Crime

Drugs

Child/Adult Protection

Missing Person

Murder

Terrorism

Crisis

Owner

Requestor

SPoC


**Police domain**

**Criminal Context**
- Crisis
- Terrorism
- Murder
- Missing Person
- Child/Adult Protection
- Drugs
- Volume Crime
- Petty Crime
- General Request

**Public Risk Context**
- General Request
- Poss. large scale risk

**Level III**
**Level II**
**Level I**

**NIM**

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High-level policy (MOPI)

Intermediate Formal Policy

Policy implementation


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Verification of policy
Abstraction layers

Layer 1 (Community)

Layer 2 (Intervention)

Layer 3 (After the event)

Values
Right to life.
Right to property
Right to religion,
Etc

Criminal
Context
Next-generation Information Sharing Infrastructure

- Scalable architecture.
- Enhanced security.
- No need to expose data structure to other domains.
- Well defined policies.
- Integrated auditing/compliance.
- Context allows access, if required.
- Lock-down (explicit deny).
- Interchange between any domain.
- Links to any domain.
- Customised policies between domains.