FRONT COVER�

GRA Service Description Document�Template

Global Information Sharing Standard


INSIDE COVER�

Global Standards
The collection of Global-recommended normative standards has been developed and assembled into a unified package of composable, interoperable solutions that enable effective information exchange.  The collection is known as the Global Standards Package (GSP).  GSP solutions are generally focused on resolving technical interoperability challenges but also may include associated guidelines and operating documents to assist implementers.  The GSP includes artifacts associated with many of the Global product areas, including but not limited to:
�  Global Reference Architecture (GRA):  Offers guidance on the design, specification, and implementation of services (and related infrastructure) as part of a justice Service-Oriented Architecture (SOA). 
�  Global Service Specification Packages (SSPs):  Reference services that are reusable nationwide in order to save time and money and reduce complexity when implementing particular information exchanges with external partners.
�  Global Federated Identity and Privilege Management (GFIPM):  Guidelines and standards for establishing, implementing, and governing security, identity management, and access control solutions to ensure that information can be accessed only securely and appropriately. 
�  Global Privacy Technology Framework:  A framework for automating information access controls based on privacy and related policies restricting the use of dissemination of such information.

For More Information
For more information on the GSP and the Global Standards Council (GSC)�the Global group responsible for developing, maintaining, and sustaining the same�please visit http://www.it.ojp.gov/gsc. 


**The Global Reference Architecture (GRA)**

**SORNA Inter-Jurisdiction Relocation Service SIRS 1.0.0**

**Service Description Document**

**Version 1.0.0**

**By Office of Sex Offender Sentencing, Monitoring, Apprehending, Registering, and Tracking, Office of Justice Programs**

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Service Description Document Template

# Introduction

In the context of the GRA and Service-Oriented Architecture **[soa]** in general, a service is the means by which one partner gains access to one or more capabilities offered by another partner. Capabilities generate real-world effects that can be as simple as sharing information or can involve performing a function as part of a complex process or changing the state of other related processes. Government organizations have numerous capabilities and a multitude of partner organizations, both inside and outside of their traditional communities. There are significant benefits for these organizations to share information and have access to each other's capabilities. Achieving interoperability among these organizations requires alignment of business and technical requirements and capabilities. In addition, it is critical to have a consistent way of specifying these requirements and capabilities and sharing them across organizational boundaries. The GRA was developed to facilitate interoperability and to assist in meeting other key requirements common in a complex government information sharing environment. In order to achieve interoperability, a consistent approach must be defined to identify, describe, and package services and their interactions in many different technical environments, across multiple government lines of business, at all levels of government, and with partner organizations.

The GRA defines a service interface as �the means for interacting with a service.� It includes
specific protocols, commands, and information exchange by which
actions are initiated on the service. A service interface is what a
system designer or implementer (programmer) uses to design or build
executable software that interacts with the service. That is, the
service interface represents the �how� of the interaction. Since
the service interface is the physical manifestation of the service,
best practices call for service interfaces which can be described
in an open-standard, machine-referenceable format (that is, a
format which could be automatically processed by a computer).

A Service Specification is a formal document describing the capabilities made available through the service; the service model that defines the semantics of the service by representing its behavioral model, information model, and interactions; the policies that constrain the use of the service; and the service interfaces which provide a means to interacting with the service. A Service Specification is analogous to the software documentation of an Application Programming Interface **[api]**. It provides stakeholders with an understanding of the structure of the service and the rules applicable to its implementation. It gives service consumers the information necessary for consuming a particular service and service providers the information necessary for implementing the service in a consistent and interoperable way.

The main components of a Service Specification are the Service Description, one or more Service Interface Descriptions, and the schemas and the samples used to implement and test the service.

A Service Description contains information about all aspects of
the service which are not directly tied to the physical
implementation of the service; in other words, the service
interface. A Service Interface Description is a description of the
physical implementation; specifically, the service interface used
in a specific implementation of the service. Since a service can
leverage multiple Service Interfaces, the Service Specification
might contain more than one Service Interface Description.

This document is designed as a template for developing a
Service Description for a specific service and thus contributes to
a consistent approach for describing services.

# Service Overview

## Purpose

*When a registered sex offender relocates from one SORNA jurisdiction to another SORNA jurisdiction, SIRS will enable the sharing of information that assists the jurisdictions with identifying, monitoring, and enforcing the offender’s registration requirements associated with the relocation process.*

## Scope

*• The sex offender’s initial intent to relocate, along with information about the offender (Relocation Package).
• The receiving jurisdiction’s acknowledgement of its receipt of the sending jurisdiction’s Relocation Package, together with a message describing the receiving jurisdiction’s registration requirements (Relocation Confirmation Notification).
• The sex offender’s compliance with the new jurisdiction’s registration requirements (Relocation Compliance Notification).
• The sex offender’s failure to contact the new jurisdiction (Did Not Report Notification).
• The sending jurisdiction’s resolution of a relocation notice (Relocation Cancelled Notification).
• The sending jurisdiction’s request for assistance from the USMS National Sex Offender Targeting Center (Relocation Package).
The following capabilities fall outside the scope of SIRS:
• Mechanisms for a sex offender to register with a SORNA jurisdiction.
• Disclosure of sex offenders’ information to the public.
• Exchanges of information between a SORNA jurisdiction’s registering agency and local law enforcement agencies.
• Creation of new criminal charges against a sex offender for failure to comply with registration requirements.
• Maintenance of data in criminal history repositories.*

## Capabilities

## Real-World Effects

*Successful tracking of an offender through the SORNA inter-jurisdiction relocation process.System automation of manual, time-consuming, and non-standardized processes.*

## Summary

*SIRS provides offender information and notices between stakeholders to track the offender’s compliance with SORNA registration requirements.*

## Description

*Today, several mechanisms are being used to communicate information among SORNA jurisdictions when a sex offender relocates. It is challenging for a SORNA jurisdiction to share the requirements for interacting with another SORNA jurisdiction. In particular:
 What is the most effective medium for the initial notification? E-mail, fax, a telephone call, or an electronic message delivered by a proprietary record management system that both agencies use?
 What is the best method for delivering documents? Can scanned images be e-mailed? If so, what are the size limits?
 What data are required by the receiving jurisdiction? Do they have a hardcopy or online form or checklist?
 What are the other jurisdiction’s expectations about subsequent communications?
SIRS builds on the progress made by the SORNA Exchange Portal in defining a messaging process and protocol in the form of a service. The service applies national standards and specifies interfaces that can be implemented in a wide variety of technical environments. Having an interoperable standard for interjurisdictional information exchange and notifications will enable SORNA registration jurisdictions to achieve greater efficiency through automation.
SIRS provides the messaging required between SORNA stakeholders when a sex offender relocates to a new SORNA jurisdiction. The service provides offender information and notices between stakeholders to track the offender’s status and compliance with SORNA registration requirements.*

## Security Classification

*SBU*

## Service Specification Package Version

*1.0.0*

# Business Scenarios

*Law Enforcement, Public Safety, Prosecution, Corrections, Probation, Parole,USMS*

## Business Scenario

### Primary Flow

### Alternative Flows

*getAlternativeFlows TODO*

# Service Interoperability Requirements

*getServiceInteroperabilityRequirements TODO*

## Service Interaction Requirements

*getServiceInteractionRequirements TODO*

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory (Yes/No)** | **Justification/Notes** |
| *Service Consumer Authentication* | No |  |
| *Service Consumer Authorization* | No |  |
| *Identity and Attribute Assertion Transmission* | No |  |
| *Service Authentication* | No |  |
| *Message Nonrepudiation* | No |  |
| *Message Integrity* | No |  |
| *Message Confidentiality* | No |  |
| *Message Addressing* | No |  |
| *Reliability* |  |  |
| *Transaction Support* | No |  |
| *Service Metadata Availability* |  |  |
| *Interface Description Requirements* | No |  |
| *Service Responsiveness* | No |  |

## Service Assumptions

*getServiceAssumptions TODO*

## Service Dependencies

## Execution Context

*getExecutionContext TODO*

## Policies and Contracts

*Policy: CJIS Security Policy
Licensing Agreement:*

## Security

*http://www.iir.com/SIRS/1.0.0
GFIPM*

## Privacy

*getPrivacy TODO*

## Other Requirements

*getOtherRequirements TODO*

# Additional Information

*getAdditionalInformation TODO*

# Service Model

*getServiceModel TODO*

## Information Model

**http://www.iir.com/sorna/NIEM/2.1/OP/1.0**

SORNA Relocation Offender Package Exchange Schema

* **RegisteredSexOffenderPackage** :OffPackage-ext::RegisteredSexOffenderPackageType[\*]{unique ,composite}   
  The root element of the SORNA Relocation Package Exchange Schema.

**http://www.iir.com/sorna/NIEM/2.1/notification/1.0**

SORNA Relocation Notice Exchange Schema

* **SORNARelocationNotice** :RelNotice-ext::SORNARelocationNoticeType[\*]{unique ,composite}   
  The root element of the SORNA Relocation Notice Exchange Schema.

### IEPD Reference

*C:/SIRS\_SSP/SIRS\_SSP\_v\_0\_1\_00.1.0 at /artifacts::service model::information model::SORNA Relocation IEPD*

### Data Inputs

*RegisteredSexOffenderPackage
The root element of the SORNA Relocation Package Exchange Schema.*

*SORNARelocationNotice
The root element of the SORNA Relocation Notice Exchange Schema.*

### Data Outputs

### Data Provenance

*getDataProvenance TODO*

## Behavior Model

*getBehaviorModel TODO*

### Action Model

|  |  |
| --- | --- |
| **Action Name** | ***SubmitRelocationPackage*** |
| **Action Purpose** | |
|  | |
| **Action Inputs** | **Action Outputs** |
| *RegisteredSexOffenderPackage* |  |
| **Action Provenance** | |
| *getAction\_Provenance TODO* | |

|  |  |
| --- | --- |
| **Action Name** | ***RelocationNotification*** |
| **Action Purpose** | |
|  | |
| **Action Inputs** | **Action Outputs** |
| *SORNARelocationNotice* |  |
| **Action Provenance** | |
| *getAction\_Provenance TODO* | |

### Process Model

*getProcessModel TODO*

Appendix A�References



Appendix B�Glossary



Appendix C�Document History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Editor** | **Change** |

BACK COVER�

About the Global Advisory Committee
www.it.ojp.gov/global
The Global Advisory Committee (GAC) serves as a Federal Advisory Committee to the U.S. Attorney General. Through recommendations to the Bureau of Justice Assistance (BJA), the GAC supports standards-based electronic information exchanges that provide justice and public safety communities with timely, accurate, complete, and accessible information, appropriately shared in a secure and trusted environment. GAC recommendations support the mission of the U.S. Department of Justice, initiatives sponsored by BJA, and related activities sponsored by BJA�s Global Justice Information Sharing Initiative (Global). BJA engages GAC member organizations and the constituents they serve through collaborative efforts, such as Global working groups, to help address critical justice information sharing issues for the benefit of practitioners in the field.  For more information on Global and its products, including those referenced in this document, call (850) 385-0600 or visit http://www.it.ojp.gov/GIST.

About the Global Standards Council
www.it.ojp.gov/gsc
The Global Standards Council (GSC) serves as a Global Advisory Committee (GAC) subcommittee, supporting broadscale electronic sharing of pertinent justice- and public safety-related information by recommending to BJA (through the GAC) associated information sharing standards and guidelines. To foster community participation and reuse, the GSC reviews proposed information sharing standards submitted by Global consumers and stakeholders. Additionally, BJA emphasizes an open, participatory review-and-comment process for proposed standards; please see the Global Justice Tools Web site at www.globaljusticetools.net for more information on this opportunity. BJA-approved standards are developed, maintained, and sustained as one cohesive Global Standards Package (GSP) located at http://www.it.ojp.gov/gsp

BJA Disclaimer
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