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)**

**Corrections COR 1.0.0**

**Service Description Document**

**Version 1.0.0**

**By invalid**

**2013-04-04**

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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

*getServiceOverview TODO*

## Purpose

*This model covers multiple exchanges relating to corrections release processes*

## Scope

*This model covers multiple exchanges relating to corrections release processes*

## Capabilities

## Real-World Effects

## Summary

*This model covers multiple exchanges relating to corrections release processes*

## Description

*This model covers multiple exchanges relating to corrections release processes*

## Security Classification

## Service Specification Package Version

*1.0.0*

# Business Scenarios

*getBusiness\_Scenarios TODO*

## Business Scenario

*getBusiness\_Scenario TODO*

### Primary Flow

*getPrimaryFlow TODO*

### Alternative Flows

*getAlternativeFlows TODO*

# Service Interoperability Requirements

*getServiceInteroperabilityRequirements TODO*

## Service Interaction Requirements

*getServiceInteractionRequirements TODO*

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory (Yes/No)** | **Justification/Notes** |
| *Service Consumer Authentication* | getServiceConsumerAuthenticationMandatory TODO | getServiceConsumerAuthenticationNotes TODO |
| *Service Consumer Authorization* | getServiceConsumerAuthorizationMandatory TODO | getServiceConsumerAuthorizationNotes TODO |
| *Identity and Attribute Assertion Transmission* | getIdentityAndAttributeAssertionTransmissionMandatory TODO | getIdentityAndAttributeAssertionTransmissionNotes TODO |
| *Service Authentication* | getServiceAuthenticationMandatory TODO | getServiceAuthenticationNotes TODO |
| *Message Nonrepudiation* | getMessageNonrepudiationMandatory TODO | getMessageNonrepudiationNotes TODO |
| *Message Integrity* | getMessageIntegrityMandatory TODO | getMessageIntegrityNotes TODO |
| *Message Confidentiality* | getMessageConfidentialityMandatory TODO | getMessageConfidentialityNotes TODO |
| *Message Addressing* | getMessageAddressingMandatory TODO | getMessageAddressingNotes TODO |
| *Reliability* | getReliabilityMandatory TODO | getReliabilityNotes TODO |
| *Transaction Support* | getTransactionSupportMandatory TODO | getTransactionSupportNotes TODO |
| *Service Metadata Availability* | getServiceMetadataAvailabilityMandatory TODO | getServiceMetadataAvailabilityNotes TODO |
| *Interface Description Requirements* | getInterfaceDescriptionRequirementsMandatory TODO | getInterfaceDescriptionRequirementsNotes TODO |
| *Service Responsiveness* | getServiceResponsivenessMandatory TODO | getServiceResponsivenessNotes TODO |

## Service Assumptions

*getServiceAssumptions TODO*

## Service Dependencies

*getServiceDependencies TODO*

## Execution Context

*getExecutionContext TODO*

## Policies and Contracts

*getPoliciesAndContracts TODO*

## Security

*getSecurity TODO*

## Privacy

*getPrivacy TODO*

## Other Requirements

*getOtherRequirements TODO*

# Additional Information

*getAdditionalInformation TODO*

# Service Model

*getServiceModel TODO*

## Information Model

*getInformationModel TODO*

### IEPD Reference

*getIEPDReference TODO*

### Data Inputs

*getDataInputs TODO*

### Data Outputs

*getDataOutputs TODO*

### Data Provenance

*getDataProvenance TODO*

## Behavior Model

*getBehaviorModel TODO*

### Action Model

### Process Model

*getProcessModel TODO*

Appendix A�References



Appendix B�Glossary

| *Author:Cory-c. Created:11/16/13 6:53 PM. Title:. Comment:.* | *Author:Cory-c. Created:11/16/13 6:53 PM. Title:. Comment:.* |
| --- | --- |

Appendix C�Document History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Editor** | **Change** |
| getDate TODO | getVersion TODO | getChange TODO | getChange TODO |

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
This project was supported by Grant No. 2009-DB-BX-K105 awarded by the Bureau of Justice, Office of Justice Programs in collaboration with the U.S. Department of Justice�s Global Justice Information Sharing Initiative.  The opinions, findings, and conclusions or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the views of the U.S. Department of Justice.

