



Nebraska Crime Commission

NE Jail Data Integration, Phase-2

Developer Guide Package - Release Notes, v5.0

08-02-2022

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1. Preface

1.1. Purpose

The purpose of this Developer's Guide Release Notes document is to provide the updates to Web Service interface for Jail Data Integration, that is developed for use by all Nebraska Jail Agencies so that the Agency can automatically submit jail information periodically using the newly developed **Nebraska Crime Commission (NCC) - New Jail Data Specification** Data Standards.

This service is specific to jail administrations agencies and vendors providing such service to such agency. This service will be developed using WCF using SOAP XML API interface and LEXS dictionary standards that is based on the NIEM Standard to support both NEVCAP (Nebraska Victim of Crimes Alert Portal) and NCJIS (Nebraska Criminal Justice Information System) systems.

1.2. Scope

The scope of this document is limited to the implementation of the IEPD for Jail Data Exchange and does not include any details pertaining to components of other systems. Thus, if some general components of other systems are mentioned in this document, only the details significant to the Jail Data Exchange are discussed.

1.3. Intended Audience

This document is intended for use by Jail Administrations Agencies that manages JMS and vendors providing JMS service to agency. It serves as a technical guide or reference and is intended to assist developers in implementing an/or maintaining any requirements for the Client System/Service that communicates with this service to submit jail information.

2. Service Architecture Overview

Here are some basic concepts and terminology relating to the API Web Service.

XML	Defines a universal way of representing data
SOAP	Provides the transport mechanism for the Web Service
XSD	XML Schema Description language
WSDL	Describes the Web Service Definition

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File	Description
IEPD	Information Exchange Package Documentation (IEPD), a complete definition of an Information Exchange Package (IEP). It is generally composed of data exchange schemas and documentation for understanding the business context and usage.
BookingSample_v2_*.xml	

Furthermore, each element within any data set in the message has the following explanation:

V 1.0 - OCT 2021	<ul style="list-style-type: none">• Defines the element to which data group
V# 1.1 - SEP 2021	<ul style="list-style-type: none">• Data Elemnt• Name/ title
V# 1.1 - SEP 2021	<ul style="list-style-type: none">• Data Elemnt• Name/ title
V# 1.1 - SEP 2021	<ul style="list-style-type: none">• Data Elemnt• Name/ title
V# 1.1 - SEP 2021	<ul style="list-style-type: none">• Data Elemnt• Name/ title

This Web Service API is implemented using the above message data standards to ensure information uniformity and accuracy. The service will process all submissions and validate accuracy against these standards.

2.1. Publish Message Instruction

LEXs uses a uniform message instruction for each request and there are two (2) types: **Insert** and **Delete**. The instruction is defined in the `<lexs:DataItemPublishInstruction>` element and it is at the Booking record level. Please use the following to support various “Instruction/Action” types:

Publish Instruction	Action Type	Group*	Description
Delete	Delete	Combine	Delete an Existing Booking. Frequency: Live/15 min max
Insert	Insert	Combine	Insert New Booking OR Update Existing Booking. Frequency: Live/15 min max
Insert	Merge	Combine	Custom implementation to support the Merge of two bookings Implemented using LEXs Insert action type. Frequency: Live/15 min max
Insert	Zero	Separate	Custom implementation to support the Zero Report submission, use when there is nothing to submit. Frequency: 15 min max if nothing to report
Insert	Roster	Separate	Roster submission Frequency: NCC? Once or twice per day?
Insert	Attachment	Separate	Attachment / Photo Submission Frequency: once at night

NOTE Group*: A message can have any combination of the “Combine” group type. But must contain only one type per Revision History

#	Version	Description
1	v1.0 2022 Feb	Initial document release as a draft
2	v2.0 2022 Mar	Update of the following sections: Added “Message Security & Authentication” section, Ch#5 URL is created and available WSDL release for the TEST service Added sample XML files
3	V3.0 2022 Jun	Update Section 3.7 “Publish Message Instruction” for Zero and Attachment submission