Missouri National Incident Based Reporting System (MIBRS) Data Submission IEPD 2.0

Master Document

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**Missouri National Incident Based Reporting System (MIBRS) Data Submission IEPD Version 2.0**

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# Introduction

This document describes how the Missouri data requirements differ from standard NIBRS, as defined by the FBI, and how these are to be contained within the XML submitted files. The standard NIBRS documentation is included in the file nibrs\_MasterDocument.pdf, and this information is not repeated here.

This version of the Missouri IEPD is derived from the latest FBI NIBRS IEPD (2019.2). All fields, logic and code lists that are not state-specific are included in the standard NIBRS files included in this package. The IEPD consists of several different files. Where possible, the files from the FBI are unchanged, and the state-specific elements are described in additional files.

# Purpose and Scope

The purpose of the MIBRS 2.0 IEPD is to provide law enforcement agencies documentation that lists exchange specifications to be used for the exchange of complete, accurate, and timely criminal justice information, which is classified as Law Enforcement Sensitive, Sensitive But Unclassified, or Controlled Unclassified Information. This release of the MIBRS IEPD extends the NIBRS IEPD by providing additional documentation and schemas.

# List of Artifacts

|  |  |
| --- | --- |
| **Artifact Name** | **Purpose** |
| docs/IEPD/2.0/documents/mibrsMasterDocumentation.docx | This document. |
| docs/IEPD/2.0/iep-sample/\*.xml | All sample files |
| docs/IEPD/2.0/base-xsd/moibrs/2.0/moibrs-codes.xsd | MIBRS Specific Codes |
| docs/IEPD/2.0/base-xsd/moibrs/2.0/moibrs.xsd | MIBRS Schema Validation |
| docs/IEPD/2.0/mibrs\_changelog.txt | MIBRS Change log |
| docs/IEPD/2.0/readme.txt | IEPD Content Listing |
|  |  |

# MIBRS Extension XML Schemas

The MIBRS schemas that extend the NIBRS IEPD schemas are found in the base-xsd/moibrs/2.0/ directory of the IEPD directory structure.

# State Specific Elements

The following tables list the state-specific XML Data Elements and the MIBRS Data Elements to which they correspond:

|  |  |
| --- | --- |
| Admin Segment | |
| XML Data Element | **Field** |
| nibrs:Report/nc:Incident/moibrs:IncidentLatitude | Incident Latitude |
| nibrs:Report/nc:Incident/moibrs:IncidentLongitude | Incident Longitude |

|  |  |
| --- | --- |
| Offense Segment | |
| XML Data Element | **Field** |
| nibrs:Report/j:Offense/moibrs:OffenseUCRCode | UCR Offense |

|  |  |
| --- | --- |
| Item (Property) Segment | |
| XML Data Element | **Field** |
| nibrs:Report/nc:Item/@s:id | Property Id |
| nibrs:Report/moibrs:ItemOffenseAssociation/nc:Item/@s:ref | Property Associated Offense Code |
| nibrs:Report/moibrs:ItemOffenseAssociation/j:Offense/@s:ref | Property Associated Offense Code |

|  |  |  |
| --- | --- | --- |
| Victim Segment | | |
| XML Data Element | **Field** | |
| nibrs:Report/j:SubjectVictimAssociation/moibrs:VictimToSubjectRelationshipCode | | Victim-Offender Relationship |

|  |  |
| --- | --- |
| Arrest Segment | |
| XML Data Element | **Data Element** |
| nibrs:Report/j:Arrest/j:ArrestCharge/moibrs:ChargeUCRCode | UCR Offense |

|  |  |
| --- | --- |
| Group B Arrest Segment | |
| XML Data Element | **Data Element** |
| nibrs:Report/j:Arrest/moibrs:Latitude | Arrest Latitude |
| nibrs:Report/j:Arrest/moibrs:Longitude | Arrest Longitude |

# Business Rules

The following table shows the state-specific data fields that are necessary for Missouri. As the state has already been collecting MIBRS data for several years, the fields are well defined for xml submissions. The data values and business rules are explained in the sections that follow.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Format | Occurrence | Mandatory | | Data Values |
| Incident Latitude | Num | 1 per Incident | Optional | Decimal between  35.96199 and 40.58776 | |
| Incident Longitude | Num | 1 per Incident | Optional | Decimal between  -88.89653 and -95.77566 | |
| Incident Time \* | Num | 1 per Incident | Optional | In the format HHMM | |
| UCR Offense \* | Alpha | 1 per Offense | Yes | MO-specific offenses | |
| Property Associated Offense Code \*\* | Alpha | 10 per property | Yes | UCR Offense Code | |
| Latitude | Num | 1 per Group B  Arrest | Optional | Decimal between  35.96199 and 40.58776 | |
| Longitude | Num | 1 per Group B  Arrest | Optional | Decimal between  -88.89653 and -95.77566 | |
| Victim/Offender Relationship\* | Alpha | 1 per Subject Victim Association | Yes | MO-specific Victim To Offender Relationship Code | |

\* These fields are MO-specific versions of existing NIBRS fields; all others are unique to MO.

\*\* In flat-file MIBRS, the associated offense codes are captured at the property loss level. In the corresponding XML, each item is separately associated with one or more offense codes.

## Latitude and Longitude

These fields are used to indicate the longitude where the Group A incident or Group B arrest took place within the state. These are both provided to 5 decimal places of precision and must be within the bounds of the state of Missouri, as defined in the table in section 6.

## Incident Time

The standard NIBRS IEPD includes the data element nibrs:Report/nc:Incident/nc:ActivityDate /nc:DateTime, which includes both the date and time. In standard NIBRS, the minutes and seconds are ignored, and only the hour is stored for the incident time. In MIBRS, the hours and minutes are both captured, providing for a more precise incident time.

## UCR Offense

In addition to the standard NIBRS offenses, Missouri also collects data for code 09D – Suicide.

## Property Associated Offense Code

In the flat file version of MIBRS, each property segment is linked to one or more (up to 10) UCR offense codes. In the XML version, each individual property is associated with up to 10 UCR offense codes. This distinction is subtle but important. In an incident where there are two UCR offenses (e.g. pickpocketing and shoplifting) and two stolen properties (e.g. a watch and a wallet), it is not possible in the flat file MIBRS to determine which item was stolen from a pocket and which was stolen from a shop. However, in the XML version, the linkages are clearly identified.

The following business rules apply to the association between properties and offense codes:

1. Each property item tag in the XML must be associated with at least one of the following:

* Any crime against property
* 100 – Kidnapping/ Abduction
* 35A – Drug/Narcotics Violations
* 35B – Drug Equipment Violations
* Gambling Offenses (39A, 39B, 39C, or 39D)

1. The Property’s Associated Offense must be an Offense Code entered in the offense section of the incident.
2. Any given item cannot be linked to the same offense code multiple times.
3. Items with a property loss type (ItemStatusCode) of BURNED can only be and must be associated with the offense 200 – Arson.
4. Items with a property loss type (ItemStatusCode) of COUNTERFEITED can only be and must be associated with the offense 250 – Counterfeiting/Forgery.
5. Items with a property loss type (ItemStatusCode) of DESTROYED\_DAMAGED\_VANDALIZED can only be and must be associated with at least one of the following completed Offense Codes:

* 220 – Burglary/Breaking and Entering
* 290 – Destruction/Damage/Vandalism

1. Items with a property loss type (ItemStatusCode) of SEIZED must be associated with one of the following completed Offense types:

* 250 - Counterfeiting/ Forgery
* 35A - Drug/ Narcotics Violations
* 35B - Drug Equipment Violations
* 39A - Betting/ Wagering
* 39B - Operating/ Promoting/ Assisting Gambling
* 39C- Gambling Equipment Violations
* 39D- Sports Tampering

1. Items with a property loss type (ItemStatusCode) of STOLEN can only be and must be associated with at least one of the following completed Offense Codes:

* 100 – Kidnapping/ Abduction
* 120 – Robbery
* 210 – Extortion/Blackmail
* 220 – Burglary/ Breaking and Entering
* 23A – Pocket-Picking
* 23B – Purse-Snatching
* 23C – Shoplifting
* 23D – Theft from Building
* 23E – Theft from Coin-Operated Machine or Device
* 23F – Theft from Motor Vehicle
* 23G – Theft of Motor Vehicle parts or Accessories
* 23H – All Other Larceny
* 240 – Motor Vehicle Theft
* 26A – False Pretenses/ Swindle/ Confidence Game
* 26B – Credit Card/ Automated Teller Machine Fraud
* 26C – Impersonation
* 26D – Welfare Fraud
* 26E – Wire Fraud
* 26F – Identity Theft
* 26G – Hacking/Computer Invasion
* 270 – Embezzlement
* 39A – Betting/ Wagering
* 39B – Operating/ Promoting/ Assisting Gambling
* 39C – Gambling Equipment Violation
* 39D – Sports Tampering
* 510 – Bribery

1. Items with a property loss type (ItemStatusCode) of RECOVERED can only be and must be associated with at least one Offense Code in the list for STOLEN, or 280 – Stolen Property Offenses.
2. Items with a property loss type (ItemStatusCode) of NONE can only be and must be associated with at least one of the following Offense Codes:

* 100 – Kidnapping/ Abduction – Attempted or Completed
* 120 – Robbery – Attempted Only
* 200 – Arson – Attempted Only
* 210 – Extortion/Blackmail – Attempted Only
* 220 – Burglary/Breaking and Entering – Attempted or Completed
* 23A – Pocket-Picking – Attempted Only
* 23B – Purse-Snatching – Attempted Only
* 23C – Shoplifting – Attempted Only
* 23D – Theft from Building – Attempted Only
* 23E – Theft from Coin-Operated Machine or Device – Attempted Only
* 23F – Theft from Motor Vehicle – Attempted Only
* 23G – Theft of Motor Vehicle parts or Accessories – Attempted Only
* 23H – All Other Larceny – Attempted Only
* 240 – Motor Vehicle Theft – Attempted Only
* 250 – Counterfeiting/Forgery – Attempted Only
* 26A – False Pretenses/ Swindle/ Confidence Game – Attempted Only
* 26B – Credit Card/ Automated Teller Machine Fraud – Attempted Only
* 26C – Impersonation – Attempted Only
* 26D – Welfare Fraud – Attempted Only
* 26E – Wire Fraud – Attempted Only
* 26F – Identity Theft – Attempted Only
* 26G – Hacking/Computer Invasion – Attempted Only
* 270 – Embezzlement – Attempted Only
* 280 – Stolen Property Offenses – Attempted Only
* 290 – Destruction/ Damage Vandalism – Attempted Only
* 35A – Drug/Narcotics Violations – Attempted or Completed
* 35B – Drug Equipment Violations – Attempted or Completed
* 39A – Betting/ Wagering – Attempted Only
* 39B – Operating/ Promoting/ Assisting Gambling – Attempted Only
* 39C – Gambling Equipment Violation – Attempted Only
* 39D – Sports Tampering – Attempted Only
* 510 – Bribery – Attempted or Completed

1. Items with a property loss type (ItemStatusCode) of UNKNOWN can only be and must be associated with at least one of the following Offense Codes:

* Any attempted crime against property
* 100 – Kidnapping/ Abduction – Attempted or Completed
* 220 – Burglary/Breaking and Entering – Attempted or Completed
* 35A – Drug/Narcotics Violations – Attempted Only
* 35B – Drug Equipment Violations – Attempted Only
* 39A – Betting/ Wagering – Attempted Only
* 39B – Operating/ Promoting/ Assisting Gambling – Attempted Only
* 39C – Gambling Equipment Violation – Attempted Only
* 39D – Sports Tampering – Attempted Only
* 510 – Bribery – Attempted or Completed

## Property Description

In addition to the standard NIBRS checks for property description, MIBRS includes the following state-specific warning for this field:

When:

* Property Associated Offense contains Theft of Motor Vehicle Parts or Accessories (23G);
* One of the Property Descriptions is Radios/TV/ VCR’s (26); and
* There is not a Property Associated Offense of Theft from Motor Vehicle (23F)

there is a description to offense mismatch.

Either the Radios/TVs/VCRs (26) were not attached to the vehicle and the offense should be Theft from Motor Vehicle (23F) or Radios/TVs/VCRs (26) should be Motor Vehicle Parts or Accessories (38).

## Victim Age

In addition to the standard NIBRS checks for Victim Age, MIBRS includes the following state-specific warnings for this field:

1. Age 01 and 02 can be confused with separate victim sequence numbers
2. Age of Offender or Age of Victim cannot be less than 18 years old when Relationship of Victim to Offender contains a relationship of Spouse (SE).

## Victim-Offense Association

In addition to the standard NIBRS checks for the association between victim and offense, MIBRS includes the following state-specific warnings for this field:

* Victim’s Associated Offense cannot contain multiple data values representing Mutually Exclusive or Lesser Included Offenses. Mutually Exclusive Offenses are offenses that cannot occur to the same victim according to the UCR definition. Lesser Included Offenses are offenses where one offense is an element of another offense and cannot be reported as having happened to the victim along with the other offense.
* If a type of victim of individual (I) has a Victim’s Associated Offense of Shoplifting (23 C) a warning is generated.

## Victim-Offender Relationship

In addition to the standard NIBRS Victim-Offender Relationship, Missouri also collects data for code Roommate\_Housemate – Roommate/Housemate (Non-intimate).

## Arrestee Age

In addition to the standard NIBRS checks for Arrestee Age, MIBRS includes the following state-specific error for this field:

* The exact age of the arrestee cannot be Unknown (00). An age range must be given if the exact age is not known.

In addition, MIBRS includes the following warnings:

* Age of arrestee must be at least 3 years of age.
* Age of arrestee should be at most 98 years of age.

## Group B Arrests

In NIBRS, a Group B report only contains relevant arrestees.

# Development Resources

* MS Visual Studio was used to create, edit, and validate against the xsd file. Fields were derived from the MIBRS Technical Specification documentation.

# Testing and Conformance

Beyond 20/20 has tested the integrity of the IEPD schemas by parsing the sample instances (included in the xml/ directory) with MS Visual Studio.