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**JRS**



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# JRS-Inspect Advisory Task Group

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- Created in 2021 on initial development
- 3 Carriers
  - HSB – Scott Brodkorb
  - FM Global – Philip Cole
  - Travelers Insurance - Bill Barbato
- 4 Jurisdictions (3 US, 1 Canadian)
  - Louisiana – Donnie Lesage
  - New York – Matt Sansone
  - Alabama – Eddie Wiggins
  - Prince Edward Island – Steve Townsend



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**JRS**

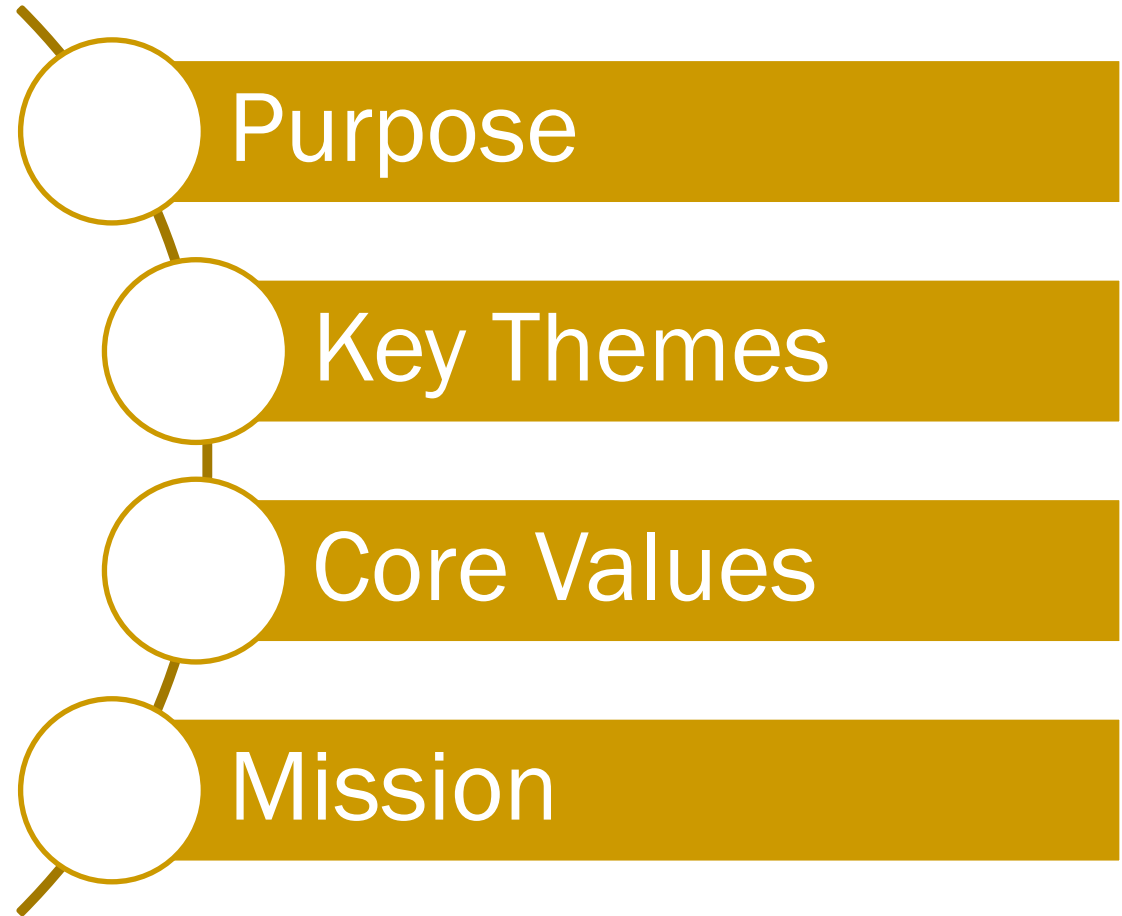


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## Product Overview



# NBBI Jurisdiction Reporting System (JRS)



# JRS Jurisdictional Workflow Support

## Plan Work/Perform Inspection

- Search and Add Appointments
- Perform Inspections

## Enter Inspection Results

- Manage Location/Contact Information
- Enter Inspection/Violation Information

## Perform QA/Generate Invoice

- Online Inspection Review/Approval
- Send Invoice to Invoice Contact

## Enter Payment Info/Generate Cert

- Enter Payment Information
- Issue Certificate



# JRS Carrier Workflow Support

Location  
Matching/Account  
Setup

- Policy Mgmt. Integration
- AI/Manual Location Matching

Plan Work/Perform  
Inspection

- Build Appointments/Plan Route
- Enter Inspection & Violation/Rec Information

Post Inspection  
Workflow

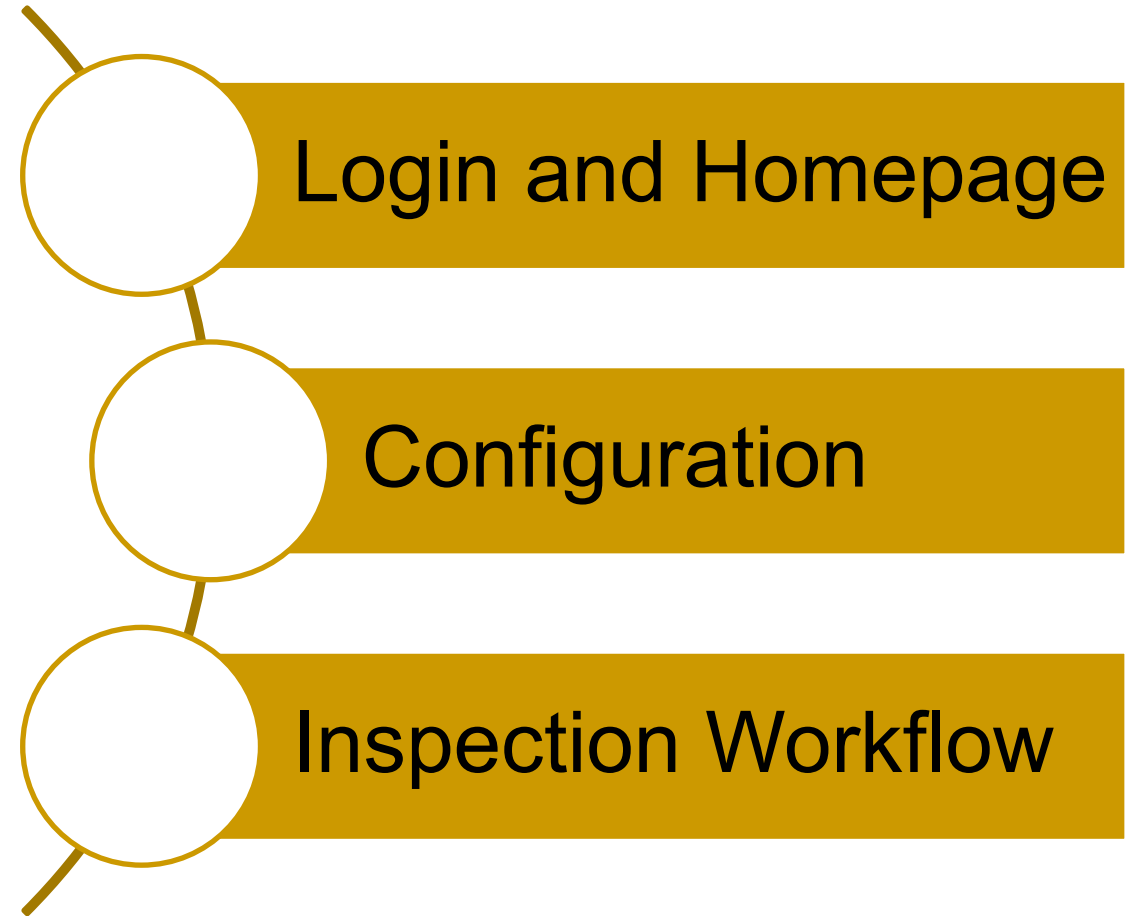
- Time and Expense
- Letters

Enterprise System  
Integration

- Data Marts
- Reporting



# Development Roadmap Items – Complete





# JRS Homepage

**JRS** POWERED BY NBB

Home Search QA Reports Matching Admin

## National Board - JRS Home

**Today's Inspections**

Location Name	Address	City	State	Equipment Count	
Marriott	123 Main Street	Boston	MA	2	<a href="#">Add Inspection</a>
DoubleTree	123 Elm Street	Boston	MA	4	<a href="#">Add Inspection</a>

**My Planned Work**

**Number of Overdue, Active Objects**  
232 (15%)

**Number of New Locations in my Territory**  
40





# JRS Navigation

The screenshot displays the JRS web application interface. At the top, there is a navigation bar with the JRS logo (POWERED BY NBB) and menu items: Home, Search, QA, Reports, Matching, and Admin. Below the navigation bar, there is a breadcrumb trail: Search Location > Edit Location. A secondary navigation bar contains tabs for Edit Location (selected), Appointments, Equipment, Contacts, Recommendations, Policy, Inspection Responsibility, and Company Information. Below this is a link for Add Inspection. The main content area is titled 'Marriott' and shows the address: 1234 The Street Box 5, Foul Rift, Ontario, NJ, 07823. The 'Location Information' section contains several input fields: Location Name\* (Marriott), Phone Number\* ((123) 123-1234), Address Line 1\* (1234 The Street), Address Line 2 (Box 5), City\* (Foul Rift), County\* (Ontario), State\* (New Jersey), and Zip Code\* (07823). There is also a checkbox for 'Requires Access Code'. The 'Manage Contact Roles' section includes dropdown menus for Appointment (Location), Invoice (Location), Certificate (Location), and Owner (Tom Collins (312) 659-4878).



# JRS Configuration

The screenshot displays the JRS configuration interface. At the top, there is a navigation bar with the JRS logo (POWERED BY NBI) and menu items: Home, Search, QA, Reports, Matching, and Admin. Below the navigation bar, there is a breadcrumb trail: Edit Company > User Defined Fields. A secondary navigation bar contains tabs: Edit Company, Users, User Defined Fields (selected), Territories, Jurisdictions, Violations, and Recommendations.

The main content area is titled "Add New Equipment Pressure Vessel Field". It contains the following form fields:

- Label\***: A text input field containing "Is there a stationary engineer onsite?".
- Field Type\***: A dropdown menu set to "Drop Down".
- Default Value**: A text input field containing "Unknown".
- Order\***: A dropdown menu set to "2".
- Field Options**: A text input field containing "Unknown x", "Yes x", "No x", and "N/A x".

Below the form is a section titled "Current User Defined Equipment Pressure Vessel Fields" which contains a table with the following data:

Label	Field Number	Field Type	Default Value	Status	Field Order
<a href="#">Is this a state owned facility?</a>	1 of 10	Drop Down	Unknown	Active	1



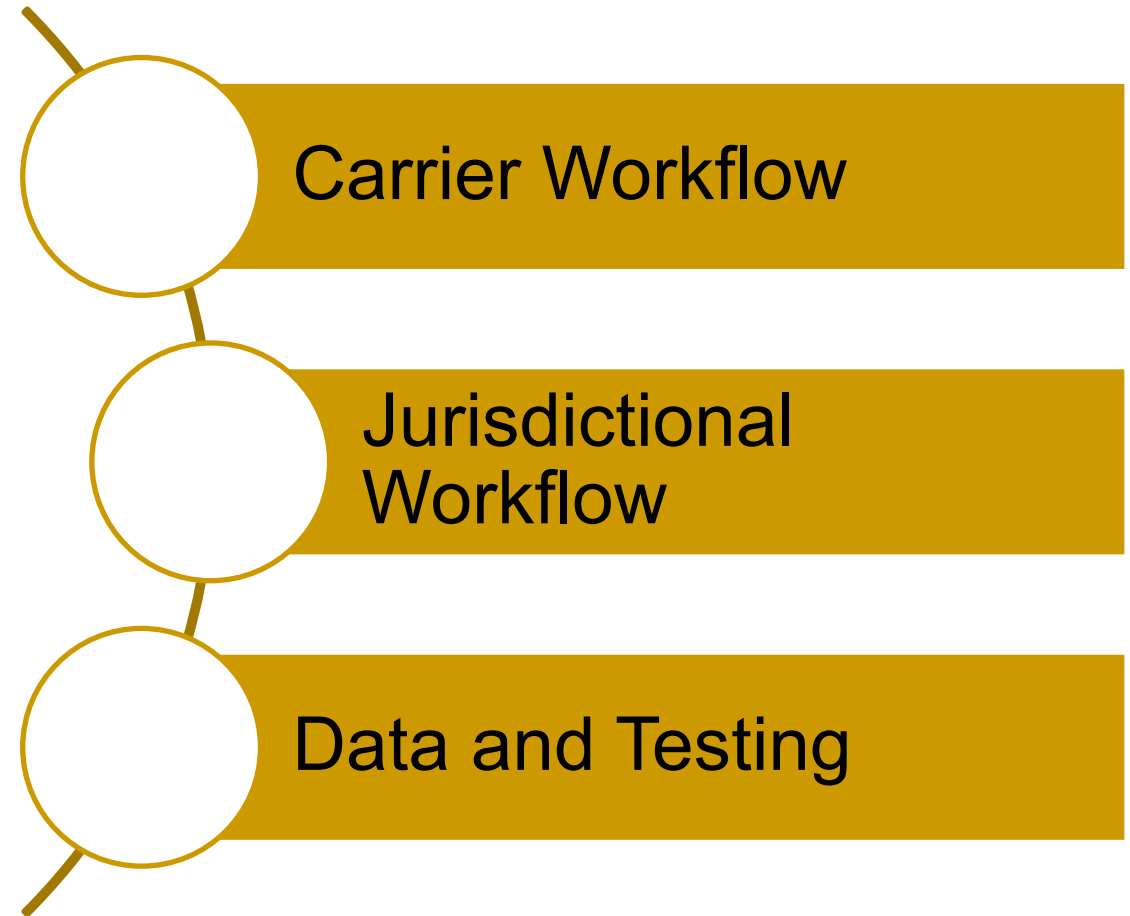
# JRS Inspection

The screenshot displays the JRS Inspection web application. At the top, there is a navigation bar with the JRS logo (POWERED BY NBBI) and menu items: Home, Search, QA, Reports, Matching, Admin, Help, Support, and Hello, Admin. Below the navigation bar, a breadcrumb trail reads: Search Location > Edit Location > Inspection Visit Details > Equipment List. The main content area has two tabs: Inspection Visit Details and Equipment List. Below the tabs are several action links: Add New Equipment, Add Recommendation, Add Time & Expense, Add New Letter, Add New Photo, and a return link: Return To Inspection Visit Details. The location name 'Marriott' is displayed with its address: 1234 The Street Box 5, Foul Rift, Ontario, NJ, 07823. Below this, the 'Equipment List' section features filter buttons for 'All', 'Overdue', 'Active', and 'Inactive'. A table lists the equipment items with columns for Juris #, NB #, Category, Mfg, Yr Built, Loc. in Plant, Next Insp. Type Due, Due Date, Status, Violations, and a dropdown menu for inspection status. Each row includes a 'Start Inspection' link.

Juris #	NB #	Category	Mfg	Yr Built	Loc. in Plant	Next Insp. Type Due	Due Date	Status	Violations	Not Inspected	
<a href="#">TX123456</a>	123	Boiler	Williams & Davis	1992	Boiler Room	External Certificate	12/25/2021	Active	1	External Certificate	<a href="#">Start Inspection</a>
<a href="#">NJ6566</a>	NB8573	Boiler	Williams & Davis	1992	Basement	N/A	N/A	Active	1	Not Inspected	<a href="#">Start Inspection</a>
<a href="#">NJ65432</a>	123-PV	Refrigeration	Fulton	1992	Refrigeration Roo	N/A	N/A	Active	1	Not Inspected	<a href="#">Start Inspection</a>
<a href="#">NJ65432</a>	123-PV	Pressure Vessel	Fulton	1992	Pressure Vessel F	N/A	N/A	Active	1	Not Inspected	<a href="#">Start Inspection</a>
<a href="#">NJ777</a>	NB777	Boiler	Williams & Davis	1992	Basement	N/A	N/A	Active	1	Not Inspected	<a href="#">Start Inspection</a>
<a href="#">NJ888</a>	123-PV	Pressure Vessel	Fulton	1992	Pressure Vessel F	N/A	N/A	Active	1	Not Inspected	<a href="#">Start Inspection</a>
<a href="#">WV4567</a>	54321	Pressure Vessel	Fulton	2000	Pressure Vessel F	N/A	N/A	Active	1	Not Inspected	<a href="#">Start Inspection</a>
<a href="#">MD1357</a>	NB7531	Boiler	Williams & Davis	1980	Mechanical Room	N/A	N/A	Active	1	Not Inspected	<a href="#">Start Inspection</a>

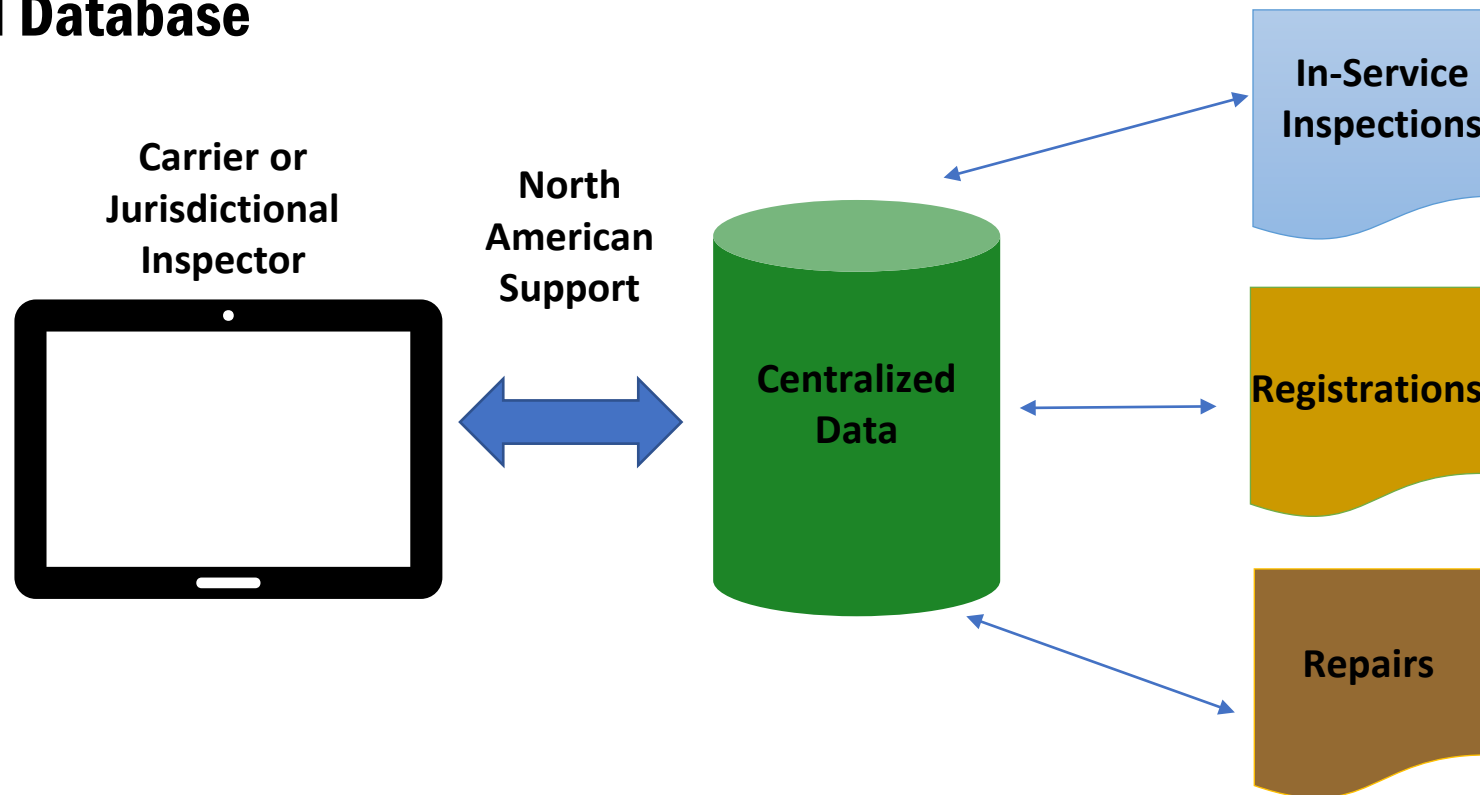


# JRS Roadmap



# JRS System Overview and Summary

## Single, Shared Database



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## Technical Overview



# The Technical Edge

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- Future Proofing the product
- Ahead of the curve
- Staying current
- Inventing not reinventing





# Cloud Technologies

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- Offload infrastructure
- Load balancing and auto scaling
- Service integrations
- Federated security between services



# Modern Tooling

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- Automated testing
- CI/CD pipelines
- Agile methodology
- Business rules engine



# In the Works

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- Microservices
- Serverless architecture
- Event driven design
- Data and big data tooling



# What does this mean for you?

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- Faster integrations
- Near real-time data exchange
- Authentication integrations
- Fast deployments



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# JRS



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## Technical Overview



# JRS Summary

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- Birth to death tracking of equipment (including EDT – JRS-Register)



# JRS-Register Advisory Task Group

Recently created on shift from EDT development

## 2 Boiler Manufacturers

- Fulton Boiler Works – Melissa Wadkinson
- Raypak – Robert Black

## 2 Pressure Vessel Manufacturers

- Quality Steel – Tom Vandini
- Samuel Pressure Vessel Group – Patrick Evans

## 2 Repair Organizations

- Joe Moore & Co – Kathy Moore
- Redman Equip. & Manuf. – Armando Villeneda

## 2 Insurance Companies

- HSB – Ben Reece
- FM Global – Jeffrey Waybright

## 1 Jurisdiction

- Province of Nova Scotia – Donald Ehler





# JRS Summary

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- Birth to death tracking of equipment
- Specific workflow support, single centralized database
- Built by the industry, for the industry
- Influence inspection and violation standardization
- Ability to work directly with stakeholders to address the needs of the ecosystem
- Completely managed by the National Board as a non-profit
- Never to be bought or sold



# 1<sup>st</sup> Release - 1<sup>st</sup> Quarter 2023

