

Registry Integrity and Oversight (RIO)

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Integrity and Oversight





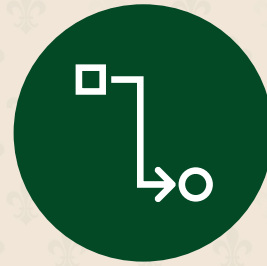
RIO Update

- ARIN's Integrity Mission
- Core Responsibilities
- Registry Threat Landscape
- Oversight Activities
- Fraud Deterrence
- Community Partnership

Our Commitment to Registry Integrity



Maintaining accuracy and uniqueness of the registry's data is central to ARIN's mission.



Resource fraud impacts everyone in the ARIN community.



ARIN is proactively taking steps to address and prevent abuse.



Core Responsibilities

RIO Core Responsibilities

- Strengthening the integrity of registration data within the ARIN registry
 - Review requests that meet specific criteria to ensure they accurately represent bona fide people and organizations
 - Receiving, reviewing, and acting on reports of potentially inaccurate data



RIO Core Responsibilities

- Ensuring policy **compliance**
 - Review requests for additional space under the Reserved IPv4 Block to Facilitate IPv6 Deployment policy
 - Receive, review, and act on reports of potential policy violations





Registry Threat Landscape

Threats to ARIN



Identity and Entity Fraud

- Impersonation or fraudulent requests for Org IDs for otherwise valid business entities
- Compromised accounts leading to unauthorized actions

Unauthorized Resource Management

- Unauthorized reassignments or reallocations of IP number resources
- Abuse of NRPM 4.10 (IPv6 transition) policies for improper reassignments or out-of-region announcements

Routing Hijacks and Misinformation

- Malicious or erroneous routing announcements (e.g., Bogon announcements)
- Unauthorized or fraudulent entries in third-party IRRs
- Out-of-region customers creating Org IDs "to expand in ARIN's service region", but ~30% are found announcing ARIN resources out-of-region within 60 days



Oversight Activities

Org Create Escalated Review

Org Create requests are initially reviewed by Registration Services. Any requests that meet a defined set of criteria that indicates concern about accuracy/compliance are escalated to the RIO team for review.

Approximate 2025 Org Create Activity:

- ~ 240/month total at ARIN
- ~ 35/month assigned to RIO
 - 29% closed as abandoned
 - 42% out of region "expanding into ARIN region"



NRPM 4.10 Abuse

Number Resource Policy Manual (NRPM) Section 4.10 provides customers the opportunity to request IPv4 resources for the purpose of IPv6 transition.

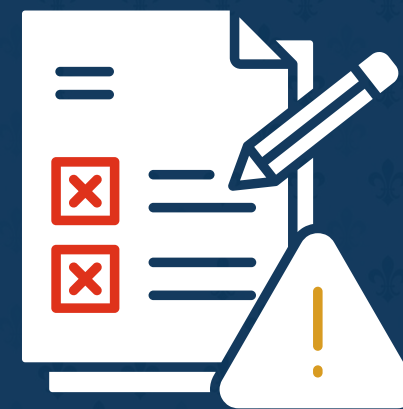
This policy is exploited using the following abuse vectors:

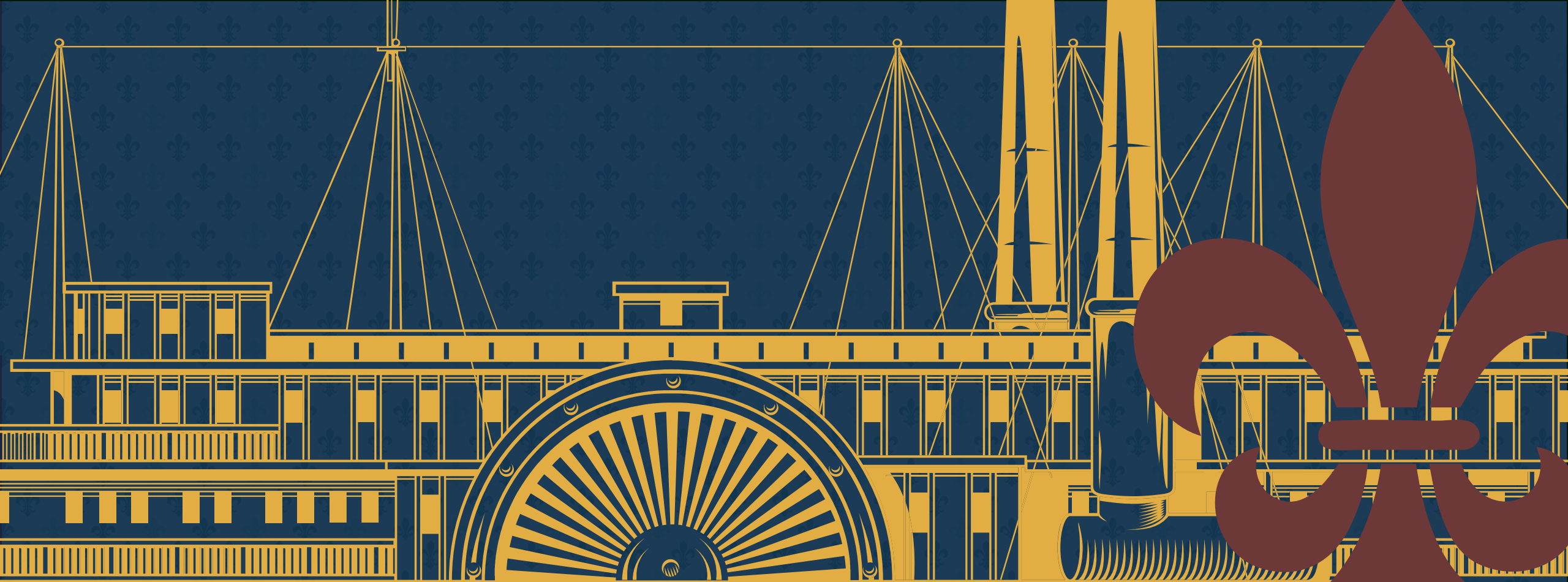
- Announced out-of-region
- Reassigned/reallocated to customers
- Leasing IPv4 space
- Announced with no associated IPv6 being announced

Policy Non-Compliance Reports

ARIN receives reports of organizations who may not be in compliance with ARIN policy via the fraud reporting process as well as other external/internal processes. These requests are reviewed by RIO to determine whether the report merits action.

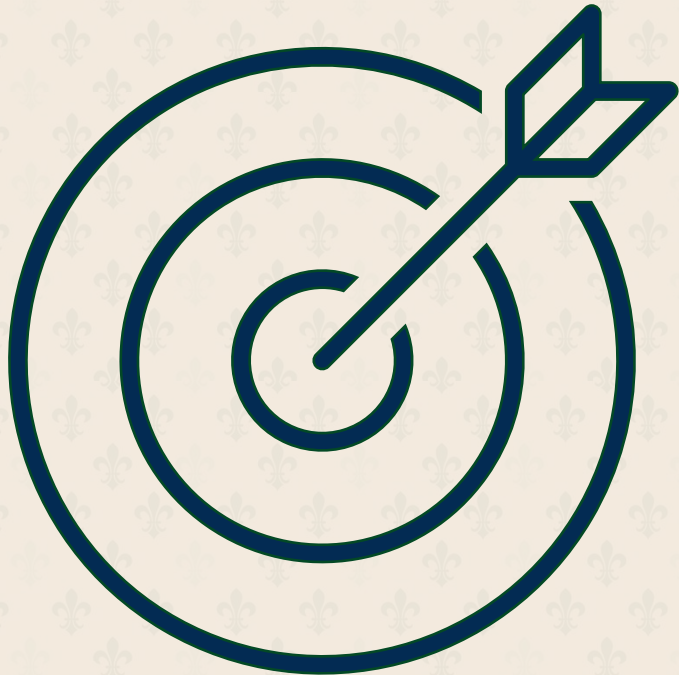
- **2025 Total Received: 223**
- **Legitimate: 28**
- **Out of Scope: 195**





Fraud Deterrence

Fraud Prevention and Investigation Process



Fraud Prevention

The ultimate goal of fraud management



Fraud Identification

Recognizing potential fraudulent activities



Fraud Investigation

In-depth analysis of suspected cases



Policy Violations

A key source of fraud and abuse



Law Enforcement Collaboration

Working with authorities on investigations

Leveraging Section 12 Audits



**Identify
violations**



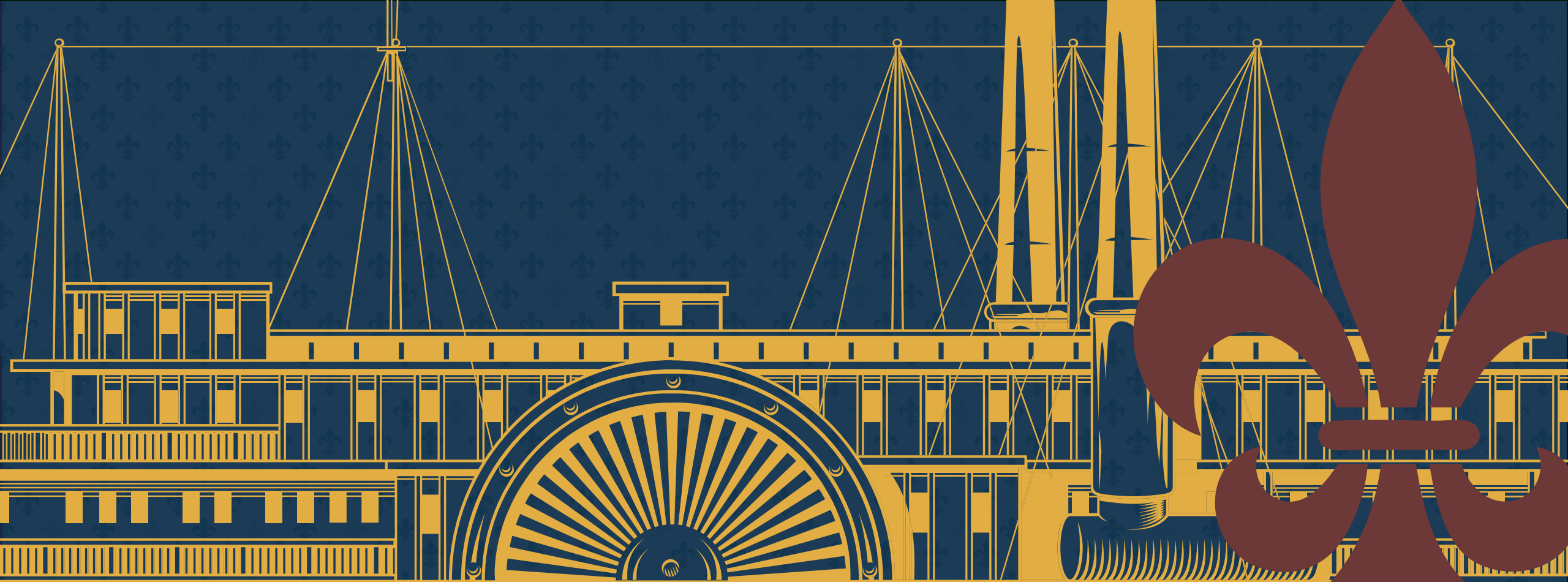
**Perform
video
verification**



**Provide
compliance
requirements**



**Address
open
violations**



Community Partnership



Join Us in Protecting the Internet Registry

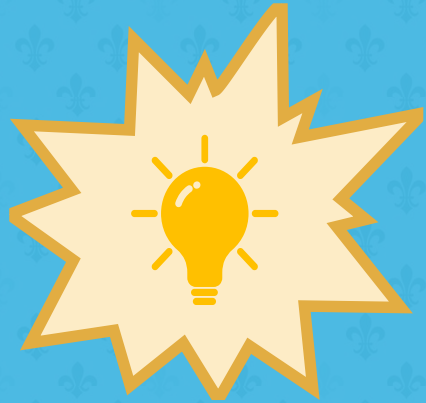
Help maintain the accuracy and integrity of ARIN's registry by reporting suspicious activity

Stay informed on evolving verification procedures and policy updates

Encourage your organization to use secure, up-to-date contact and Org ID records

Engage with ARIN through policy consultations and community discussions

Need More Information? We Can Help!



Phone

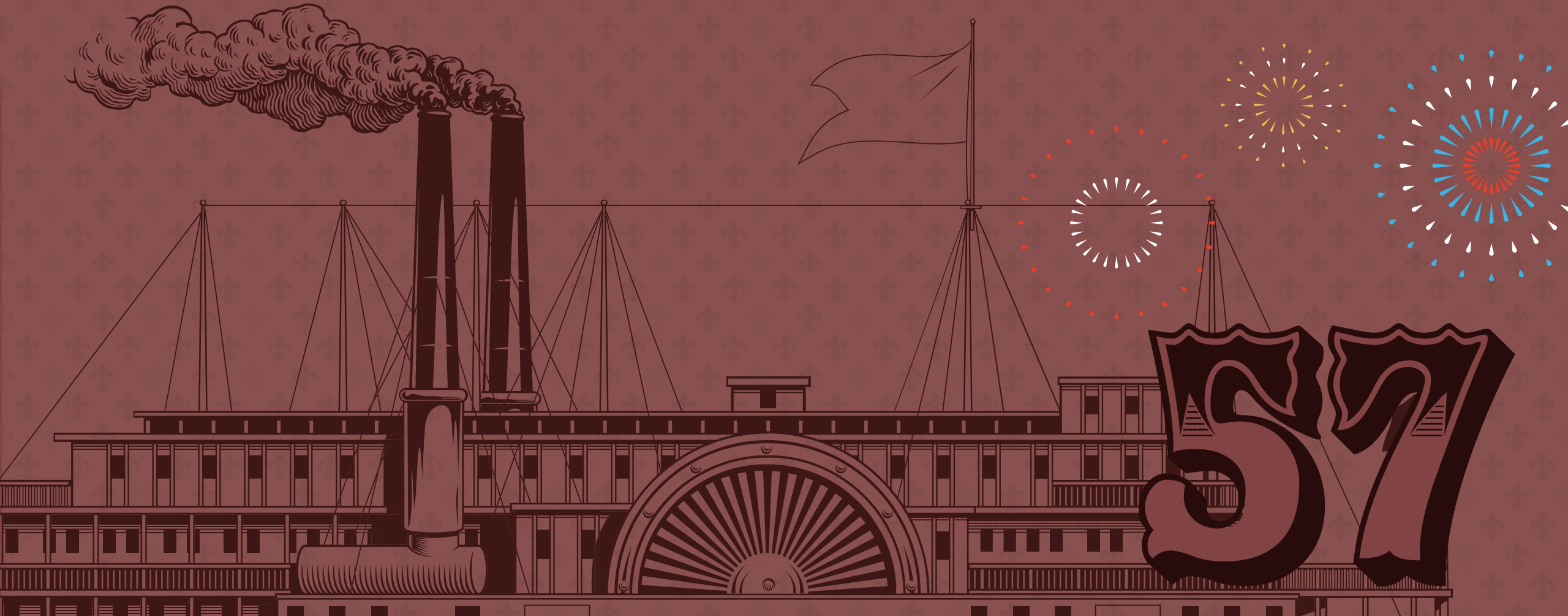
Monday-Friday
7:00 AM–7:00 PM ET
+1.703.227.0660



Chat

Monday-Friday
10:00 AM–4:00 PM ET

Questions and Comments?



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