

# RIVER INFORMATION SERVICES (RIS) Inland Marine Transportation System (IMTS) RIS Collaborative Action Team (RIS CAT)

Tim Fudge  
RIS CAT Champion

16 May 2019



US Army Corps  
of Engineers®





# OVERVIEW



- River Information Services background
  - Definition
  - European Implementation example
- RIS Collaborative Action Team (RIS CAT)
  - Origins & membership
  - Proposed team membership
- RIS Implementation Project
  - Purpose
  - Details – phases and tasks
- Actions requested



# RIVER INFORMATION SERVICES

3

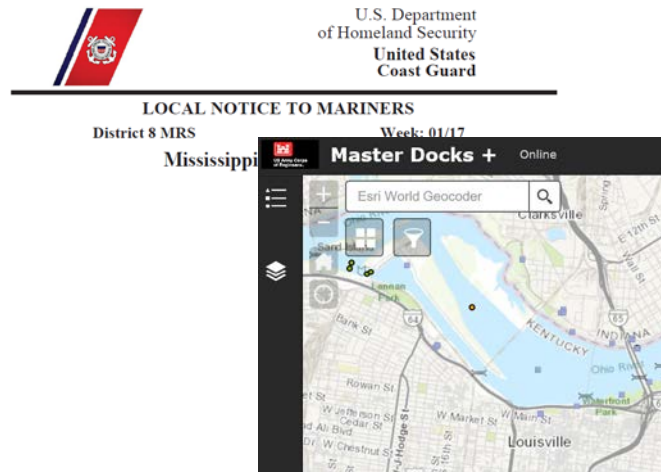


Working definition:

River Information Services (RIS) makes navigation data more accessible and usable in support of USACE Navigation operations and maintenance.

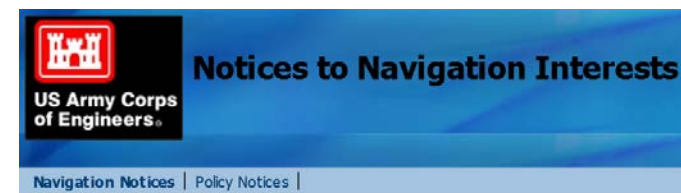
## Technical Services

- Inland Navigation Charts (IENC)
- Vessel tracking (AIS)
- Notices to Mariners
- Electronic Reporting
- Reference Data



## Operational Services

- Navigation channel information
- Vessel traffic information
- Traffic/lock operations
- Incident response support
- Law enforcement support
- Transport logistics support
- Statistics support







# EUROPEAN IMPLEMENTATION

4



viadonau

DoRIS

Danube Logistics Portal

Blog

change contrast

Language: English ▼

Contact

FAQ

Newsletter



Fairway information

Maps & Charts

Services



Service & Information for  
Danube Navigation

## Water levels

2019-04-17 21:00

| gauge | current  | +24h |
|-------|----------|------|
| ACHL  | 284 (-2) |      |
| WILH  | 311 (-2) |      |
| MAUT  | 442 (0)  |      |
| GREI  | 730 (1)  |      |
| KIEN  | 271 (0)  | 275  |
| DUER  | 353 (-2) |      |
| KORN  | 270 (3)  |      |
| SCHW  | 317 (3)  |      |
| WILD  | 246 (-1) | 253  |
| THEB  | 231 (0)  |      |

## Notices (NtS)

**AT/2019/17/01**

Announcement: dredging -  
special caution river Danube;  
[more](#)

**AT/2019/31/01**

Announcement: building work -  
blockage river Danube; [more](#)

**AT/2019/31/00**

Announcement: building work -  
blockage river Danube; [more](#)

[Go to Notices >](#)

<http://www.doris.bmvit.gv.at/en/>



# WAY AHEAD FOR US RIS IMPLEMENTATION



- Build on existing capabilities
  - Not a new “system”
  - Enhance what already exists as much as possible
- Governance
  - USACE RIS CAT
- External engagement and participation:
  - Interagency
  - Industry
- Implementation project



# RIS COLLABORATIVE ACTION TEAM



- **Origins**
  - IMTS BoD approval Nov 2016
  - IMTS Working Group Focus memo Feb 2018
  - CAT established July 2018
- **Initial Membership**
  - LRL – Champion, host for implementation project
  - MVD, LRD
  - HQ, AGC, ERDC, IWR
- **Initial Tasks:**
  - Form teams
  - Draft PMP(s)
  - Begin outreach internally & externally

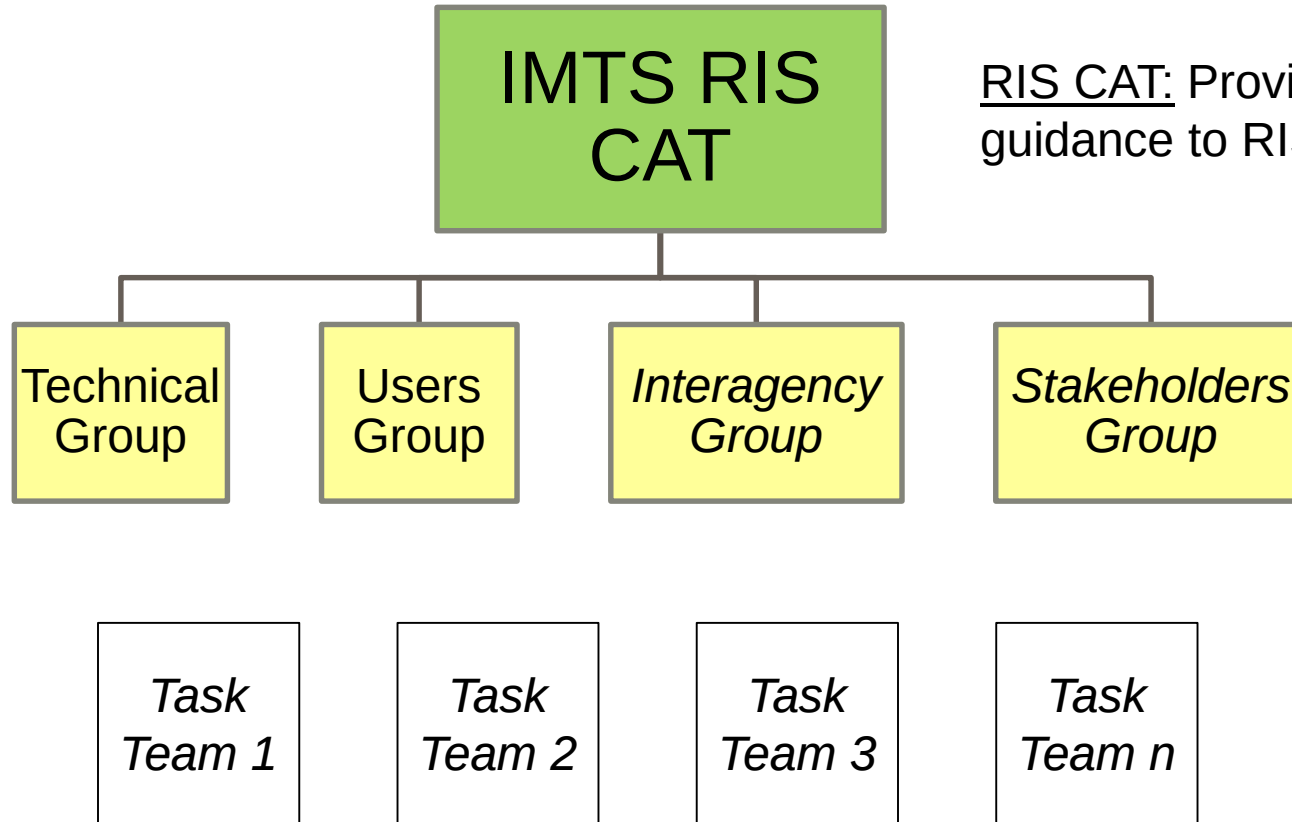


DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
441 G STREET, NW  
WASHINGTON, DC 20364-1201

*Feb 23, 2018*

MEMORANDUM FOR Inland Marine Transportation System (IMTS) Work Group  
SUBJECT: IMTS Focus for 2018

# RIS IMPLEMENTATION STRUCTURE



RIS CAT: Provide oversight and strategic guidance to RIS implementation efforts

Technical Group: Focus on integration and enhancement of existing capabilities, development of new capabilities where needed

Users Group: Provide input from field-level users of RIS capabilities and services

Interagency Group: Coordinate the development and provision of services across agency lines

Stakeholders Group: Insure RIS services meet external user needs, support waterway operations

Task teams: Formed to address specific tasks; made up of members from Groups and external stakeholders as appropriate for the task



# RIS CAT PROPOSED MEMBERSHIP



- Champion: LRL: Tim Fudge
- IWR: Forrest Vanderbilt
- ERDC: Eddie Wiggins
- Nav Business Line: Paul Clouse
- LRD Operations: Bill Chapman
- MVD Operations: Pat Chambers
- SWD Operations: Elaine Newbaker-London
- NWD Operations: Tony Kirk
- SAD Operations: Rob Germann
- LRD Maintenance: Brady Beckman
- MVD Maintenance: Matt Thurman
- IMTS: Mike Cox, David Frantz
- [Group leaders]





# RIS CAT TECHNICAL GROUP PROPOSED MEMBERSHIP



- Lead: Brian Tetreault, ERDC
- IWR: Steven Riley
- IWR: Alexandria Schafer
- AGC: Denise LaDue
- AGC: Gerald Thornberry
- LRL: Sherry Marion
- LRH: Rebekah Booton
- Platform-specific SMEs
  - RISE: Joe Celano, Debbie Yang



# RIS CAT USERS GROUP PROPOSED MEMBERSHIP



- Lead: Brady Beckman, LRD
- LRD: Todd Kimery
- IWR: Steven Riley
- MVD: Ed Adcock
- MVD: Cody Eckhardt
- MVD: Aaron Dunlop
- MVD: Pat Chambers
- LRL: Gerald Thornberry
- LRL: Scott Ohlemacher
- LRP: John Dilla
- MVR: C.J. Brooks
- MVR: Nick Schnerre
- MVR: Dennis Shannon
- MVS: Cory Tabbert
- SWT: Rodney Beard
- SWG: Robert George
- NWD: Tony Kirk
- SAD: ?
- SWD: Robert George



# NATIONAL RIS IMPLEMENTATION PROJECT



## Phase 1: Focus on interoperability of systems

- LOMA timings to LPMS – automate as much as possible
- Transmit lock status via AIS
- Maintenance Schedule interface
- NTNI/NTM Harmonization

## Phase 2: mid term - Electronic information exchange

- Focus on improving information exchange among RIS stakeholders and systems

## Phase 3: long term – Navigation Planning Tools

- Focus on developing and deploying advanced tools in support of navigation planning



# ACTIONS REQUESTED



- Commitment to participate
- Suggestions for other members
- Team actions:
  - Identify someone in each team to take notes, schedule meetings, prepare documents, etc.
  - Set up date for first working meeting and schedule regular meetings (in person or teleconference)
  - Review and finalize PMPs for each task; work to prioritize, schedule, sequence; clarify specific deliverables



# Thank you for your attention!

More details to come on IMTS website:

<https://cops.usace.army.mil/sites/NAV/IMTS/default.aspx>