What is Remote Survey?

ABS Remote Survey Program

• Remote execution of select surveys with verification through transfer of digital documentation:
  - Documentation/reports
  - Photographs
  - Recorded video
  - Live video and audio

• Current service offering:
  - Continuous Machinery Survey (CMS) parts
  - Tail Shaft Survey 3-month Extension
  - Minor Damage Survey
  - Rectification of Class Recommendation or Statutory Deficiency (OSR and OSD)
  - Remote Underwater Examination of Offshore Units

Remote Inspection Technologies (RIT)

• Inspection technologies that allow close-up access. A complement or alternative to traditional means of access (staging, cherry picker, rafting).
  - Unmanned Aerial Vehicles (UAV/drone)
  - Remotely Operated Underwater Vehicle (ROV)
  - Robotic Crawler

• RIT are NOT required for Remote Survey, but are a useful inspection tool in some cases
  - ABS Guidance Notes on the Use of Remote Inspection Technologies, expected release March 2019
Remote Survey Process

Visit: www.eagle.org/ABSRemoteSurvey

ABS will evaluate the requests and respond within 24 hours

Azure secure service: documentation, videos, photos

Documentation is reviewed and credit may be given via O2K
Remote Survey – Survey Team

RemoteSurvey@eagle.org
Service Offerings

ABS Remote Survey Program
Continuous Machinery Survey

- Eligible for vessels maintaining PMP notation
- Preventative Maintenance and Condition Monitoring:
  - Items reviewed individually
  - Follow-up validation may be required prior to crediting the next Annual Survey
- Non-attendance verification documentation:
  - Computer maintenance system
  - Reports/videos of operational tests of any moving/rotating equipment
  - Condition monitoring report
  - Health reports
Tailshaft Survey 3-month Extension

• Eligible for any vessel with a tailshaft
• Extends tailshaft survey due date for three months
• Non-attendance verification documentation:
  - Visual inspection of all accessible parts
  - Verification of the inboard seal
  - Review of service and test records
  - Verification of no reported repairs by grinding or welding
  - Review of clearance records or previous wear down
Minor Damage Survey

• Eligible for any minor damage upon review and acceptance
• Follow-up validation may be required
• Non-attendance verification documentation:
  - Repair plan
  - Written report
  - Sketches
  - OEM specifications
  - Photographs
  - Videos
  - Measurements
Rectification of OSR and OSD

OSR – Outstanding Class Recommendation
OSD – Outstanding Statutory Deficiency

• Eligibility dependent on ABS Surveyor review
• Follow-up validation may be required
• Non-attendance verification documentation:
  - Documentation/reports
  - Photos
  - Videos
• OSD items subject to flag authorization and approval
Remote Underwater Examination of Offshore Units

• Eligible for underwater portion of Drydock Survey
• Remote verification requirements:
  - Audio, video, communication feed
  - Minimum 720p resolution
  - Less than 6 seconds lag
  - ABS Surveyor attendance with Owner at the viewing facility
  - UWILD report submission
• Examination must be performed by an ABS approved external specialist
Request a Remote Survey

ABS Remote Survey Program
Online Survey Request

  - Remote Survey online request forms
  - Description of remote survey process
  - Service offering cutsheet
  - FAQ
Remote Survey Experience to Date

ABS Remote Survey Program
Remote Survey Types

- Tail Shaft Extension 34%
- Minor Damage 40%
- OSR/OSD 13%
- CMS Parts 13%

Survey Request Originating Countries

- Greece 27%
- USA 7%
- Canada 13%
- Bahrain 7%
- Germany 13%
- Singapore 13%
- Turkey 13%