Title
CENS Deployment Center

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**CENS Deployment Center**

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**Introduction: The Context of CENS Data Collection**

- CENS collects data for scientific and technological applications through real-world deployments.
- Data collection decisions are often made in the field based on the state of instruments and field conditions.
- In order to fully understand and evaluate data that results from real-world deployments, it is necessary to be aware of the context of data collection.
- CENS deployment documentation varies widely, and is typically stored separate from the data.

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**Problem Description: How can CENS capture and transfer deployment knowledge?**

Many deployment activities require tacit knowledge and experience.

- New researchers join the CENS community on a regular basis. Constant flux in the largely student-based research force can contribute to deployment inefficiencies.

**Deployment problems can include**

- Lack of functionality if key people are missing
- Equipment not ready on schedule or forgotten altogether
- Incomplete documentation of deployment activities for future use
- Difficulty in tracking lessons learned from one deployment to the next
- Remote staff not given enough information or being well utilized

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**Proposed Solution: CENS Deployment Center, a repository for deployment information**

**CENS Deployment Center** - A centralized web-based database for CENS deployment info:

Developed based on requirements derived from direct participant input and feedback:

- Provides cross-linkable source of contextual info. for CENS data
- Useful as a training tool for new researchers
- Structured and searchable deployment metadata facilitates knowledge discovery

**Pre-Deployment Planning**

- Easily Editable
- Item Notes

**Equipment List**

Other information includes:

- Task lists
- Sensor details: manufacturer, model and serial #’s, calibrations
- Additional pre-dep. notes

**Post-Deployment Information**

Participant feedback fields include:

- Problems encountered and solutions
- Suggestions for future deployments
- Notes on equipment and tasks

**Data URL**

**Post-Deployment Notes**