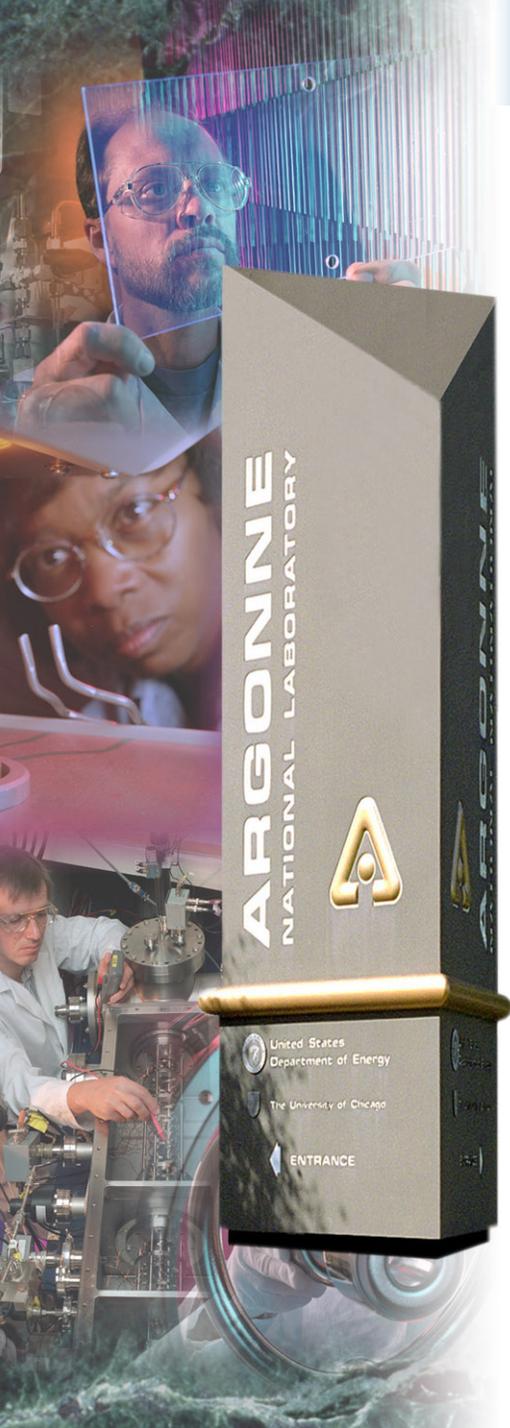


Capital equipment request for vector and network signal analyzers

FY06 Proposal Number 510

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Project: FY06 PP# 510- CE request for vector and network signal analyzers

Objective: To upgrade obsolete vector and network signal analyzers to support operation.

Background Information:

- New Initiative
- Single Year Funding
- Medium priority

Justification:

The upgrade ensures that operational critical equipments are most reliable and fully supported by vendors.

Consequence:

The unavailability of these equipments will impact several diagnostics measurement capabilities such as tune measurements, machine lattice set up and many other machine study functions critical to operation.

Cost (FY06): \$220.75 K (Capital Equipment)

FY	2006	2007	2008	Total
Noneffort	\$220.75 K			\$220.75 K
Effort				
Total	\$220.75 K			\$220.75 K

Cost Benefits and Description –

- Vector Network Analyzer – E8363 series (~135K) (45 MHz to 40 GHz)
 - ✓ Critical for diagnostics lab measurements
 - ✓ Replace obsolete HP 8510C network analyzers
 - ✓ Not supported by vendors

- Vector Signal Analyzer – Agilent 89600 series (~\$85K)
 - ✓ Critical for SR Tune measurements
 - ✓ Replace obsolete SR Analyzer (HP 89441A) – more than 10 yrs old
 - ✓ Not supported by vendors for more than 2 years.
 - ✓ Takes several months to acquire new equipments and learn how to use
 - ✓ Ensure efficient and smooth support of operation and study