



The GRB Simulator Loan Process

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<http://www.goes-r.gov/>



GRB Simulators

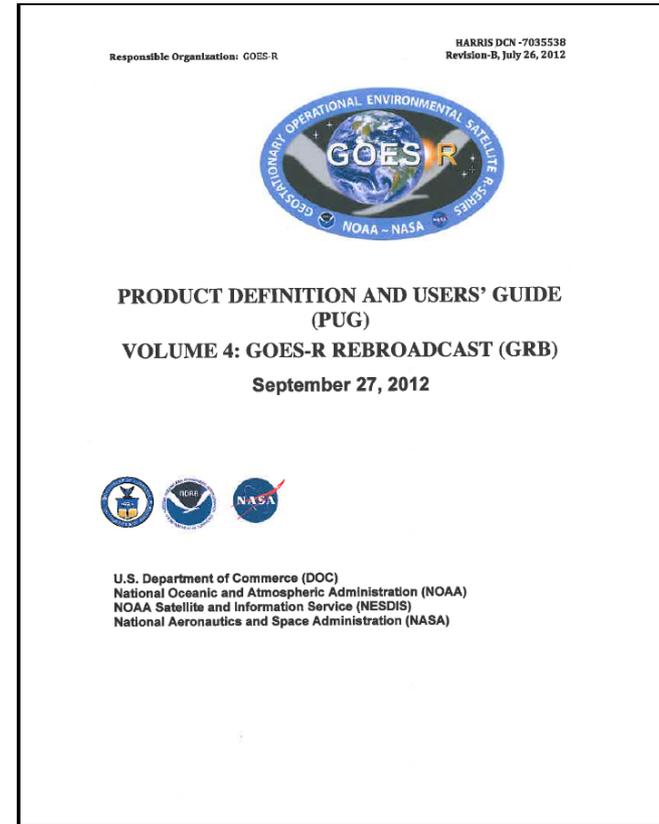
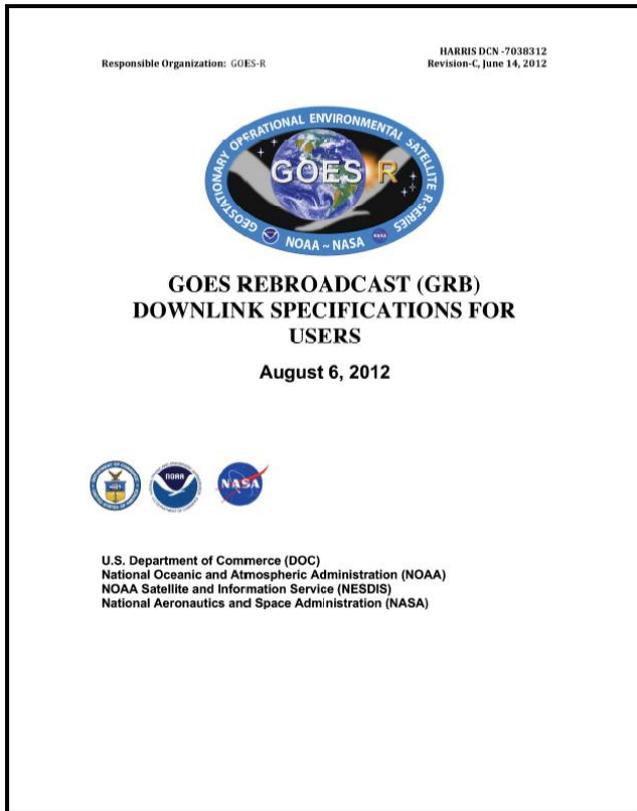
- Purpose
 - On-site testing of user ingest and data handling systems, aka GRB field terminal sites
- Simulate GRB downlink functionality by generating Consultative Committee for Space Data Systems (CCSDS) formatted GRB output data based on user-defined scenarios, test patterns, and proxy data files.
- Key Capabilities and Features
 - Transportable
 - Fully self-contained
 - Configurable hardware units
 - Outputs simulated GRB at baseband and IF levels
 - “Off-line Mode” to create and configure simulation scenarios
 - Also, create test patterns and process input proxy data
 - “On-line Mode” to continuously output GRB data stream
 - Includes monitoring and logging of events



GRB Resources and Documentation

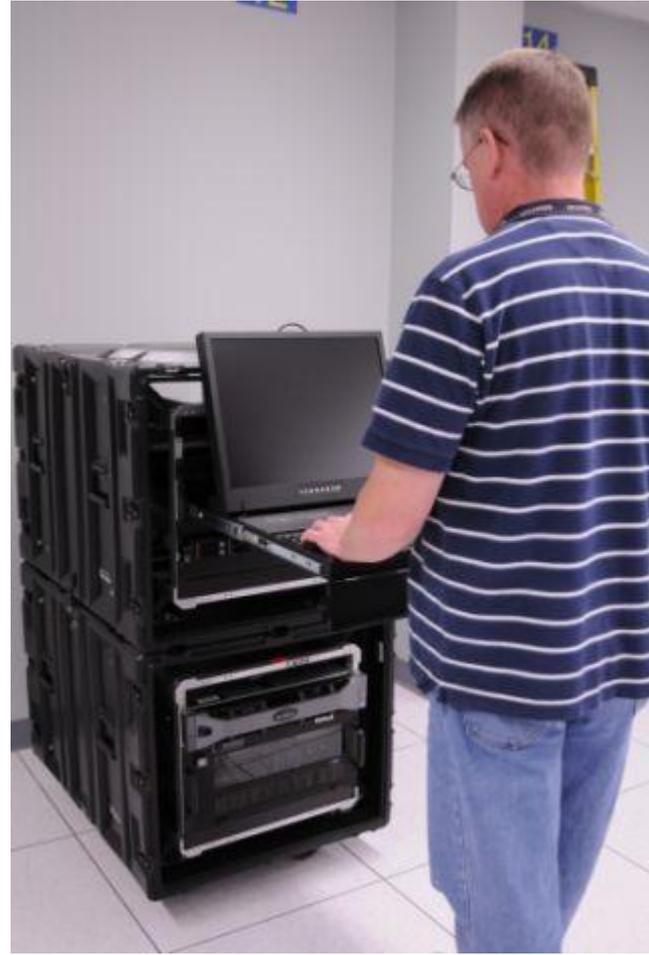
<http://www.goes-r.gov/resources/docs.html>

- GRB Downlink Specification
- Product Users Guide (PUG) for GRB





GRB Simulator Hardware with KVM Extended





How to get a simulator loan

- GOES-R Project is the focal point for simulator loans.
- Selection of order will be based on first come, first served in response to a Special Notice on FedBizOps, and customer readiness to receive units.
- You will have a predetermined amount of time to possess a simulator, not to exceed 90 days.
- If needed, you can receive the simulator a second, or third time.
- If you want, you can receive on-site training on the use of the simulator at delivery.
- A FedBizOps Special Notice will be coming out soon after Industry day to open up borrowing.



How to get a simulator loan (continued)

- It will be the responsibility of the borrower to pay for shipping to and from your location.
- We normally will have 4 simulators available for loan.
- As units come back and are refreshed/rebaselined , they will become available for the next borrower on the list.



What you need to do to borrow a simulator

- Respond to the upcoming FedBizOps Special Notice with the following information.
- Send an email to:
 -
 - GOES-R Project GRB Simulator Loan
 - grbsimulator@noaa.gov
 -
- In the Subject Line, type the following text: GRB Simulator Loan Request
 -
- In the body of the message, specify, at a minimum:
 -
 - Requested start date, (Not to exceed 90 days)
 - Requested end date,
 - Organization /Company name and location,
 - Delivery address,
 - Training support requested (yes or no),
 - Responsible party contact information



What we provide to you

Within two days of receipt of email, GOES-R sends a reply to borrower containing the following information :

1. Acknowledgment of your request
2. You receive an email package of information:
 - Loan agreement, to be returned
 - Specifications for the equipment (power, HVAC)
 - Information on shipping insurance needs
 - Obtain information on nationality of users and those having access to the equipment
 - Instructions for requesting on-site training



Next Steps

- What your response would be..
 - Complete provided paperwork and returns originals of signed property loan agreement to the NOAA property administrator for property administration
- Our next step will be...
 - Property Administrator contacts Harris to provide shipping schedule and information needed to coordinate simulator shipping and receiving.



Some special circumstances to note

- Under some circumstances you may be the first to request a simulator, but if you don't need it right away, it could be loaned to another borrower who requested a more immediate date.
- Under some circumstances you may find the need to borrow a simulator for a second time, borrower selection will be based on the same policy as first come, first served.
- Borrower is responsible for the security and protection of the equipment. **No international access** to the simulators is allowed.
- If equipment is damaged or inoperable at receipt, the next available simulator will be sent out upon receipt of the broken unit.



Simulator Delivery and Training Approach

- Simulator will be shipped from the Harris Corporation Bellevue, Nebraska facility to your location, based on your shipping information, billing and pickup schedule
- Upon or around equipment arrival and at your request, Harris will provide a trainer who will assist in simulator unpacking/setup and provide training in use, hookup and operation of equipment.
- Harris engineers will be available to answer questions as you use the equipment during your loan period.
- Upon completion of use, or end of your period of loan, inform Harris of estimated return date.



GRB Summary

- Stay tuned to respond to the upcoming FedBizOps Special Notice.
- It is the responsibility of the borrowers to protect and secure the equipment from theft or damage.
- GRB simulators will be available to borrow up to and beyond the launch of GOES-R.
- Updates to be posted on the GOES-R web site:
 - <http://www.goes-r.gov/>
- Questions?