Online Product Information

Monday, March 14, 2005
Presented by: Melissa McPhail,
Sara Green, and Richard Pries



Contents

- Why OPI?
- OPI Overview
- OPI Information Architecture
 - OPS
 - DRA
 - iSTAR
 - FAP
 - Qualified Product Lists

- International Use of OPS
 - European Union
 - New Zealand
- Next Steps
- Lessons Learned



Why OPI?

- Foster a paperless product qualification process
- Streamline the data collection process for manufacturers
- Ease the data collection burden for international agencies
- Standardize the way manufacturers provide data through form validation



Why OPI? continued...

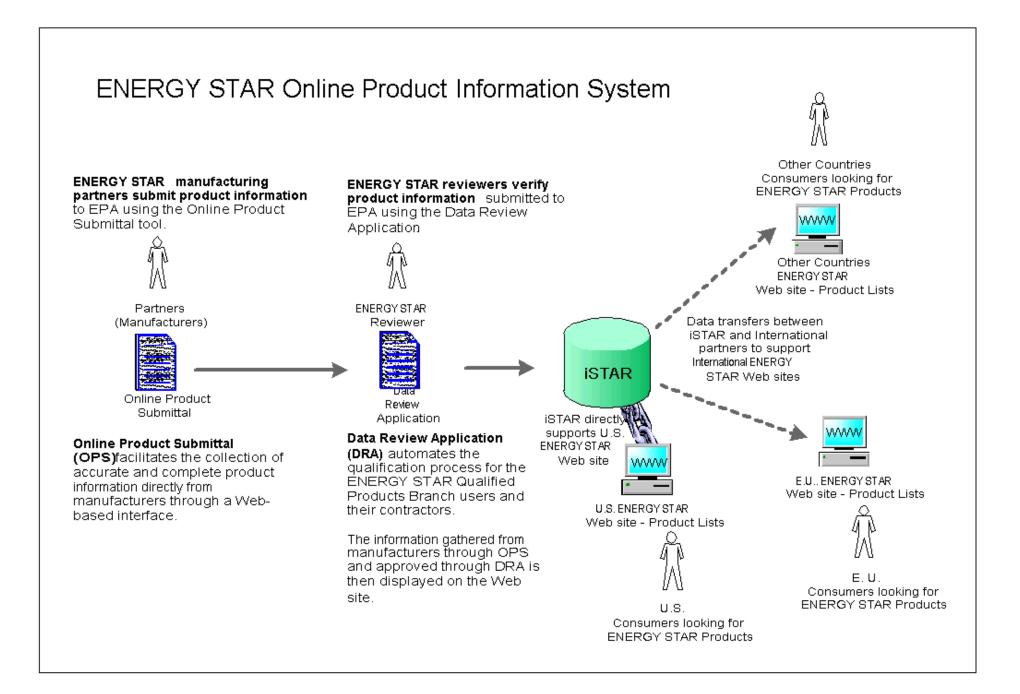
- Ensure data quality by having a consistent data review process
- Ensure better information accuracy by allowing partners direct access to modify their own data
- Create a single data entry point for product information that can be distributed internationally via multiple Web sites
- Ensure mutual recognition of partners and products



OPI Overview

- Manufacturing partners enter, manage, and track information for products they wish to have ENERGY STAR qualified using the Online Product Submittal (OPS) tool.
- ENERGY STAR reviews and then qualifies or returns product information using the Data Review Application (DRA) tool.
- Consumers view information about qualified products available in the US using the Find A Product (FAP) feature of the ENERGY STAR Web site.
- International partners can develop their own web-based tools for their own markets using a subset of the same data, if desired.





Online Product Submittal (OPS)

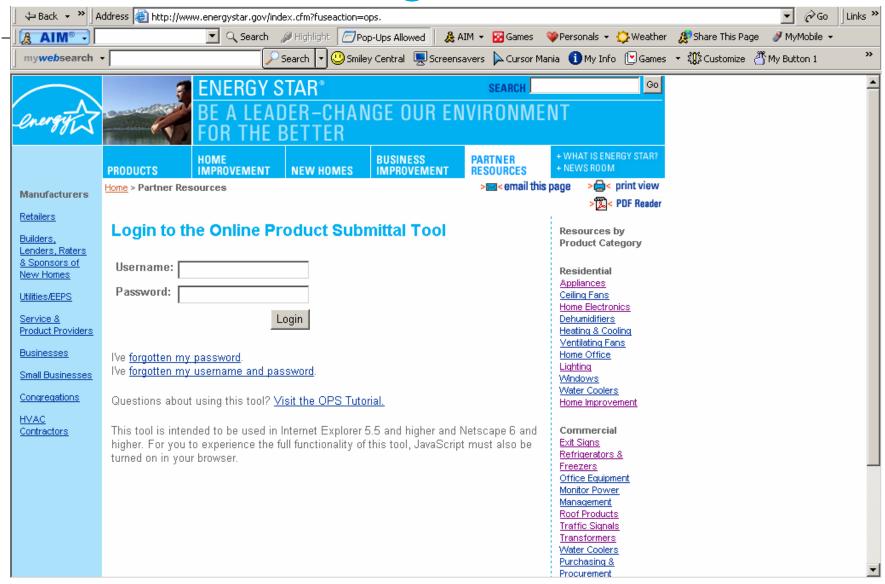
- Replaced the paper QPI form for HE and OE products
- Partners are granted access to OPS and are sent the URL, a username, and a password.
- Passwords are auto-generated
- Once they login, they have access to view or edit all of their products for which they are a partner except those in the review process

OPS continued...

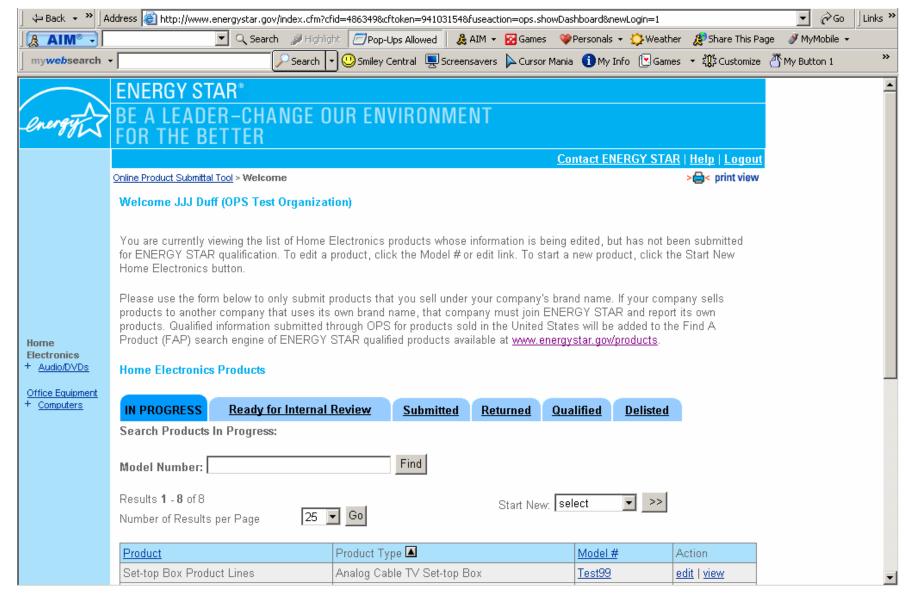
- Through OPS, partners can:
 - Enter product data and save it to return later
 - Submit product data to ENERGY STAR
 - View or Edit existing product data and save or submit to ENERGY STAR
- 96 partners are using OPS to submit and edit products
- Over 2,600 products have been submitted through OPS



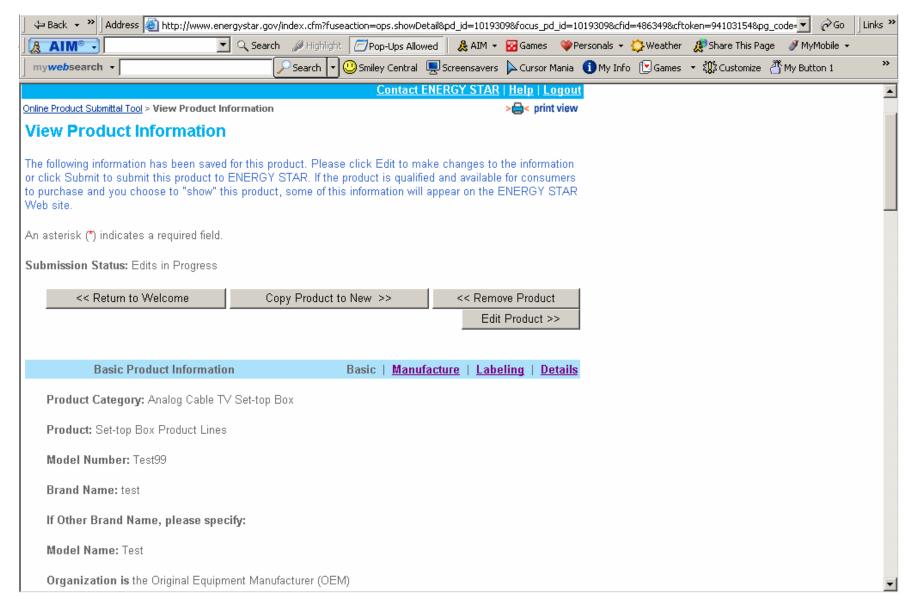
OPS Login Screen



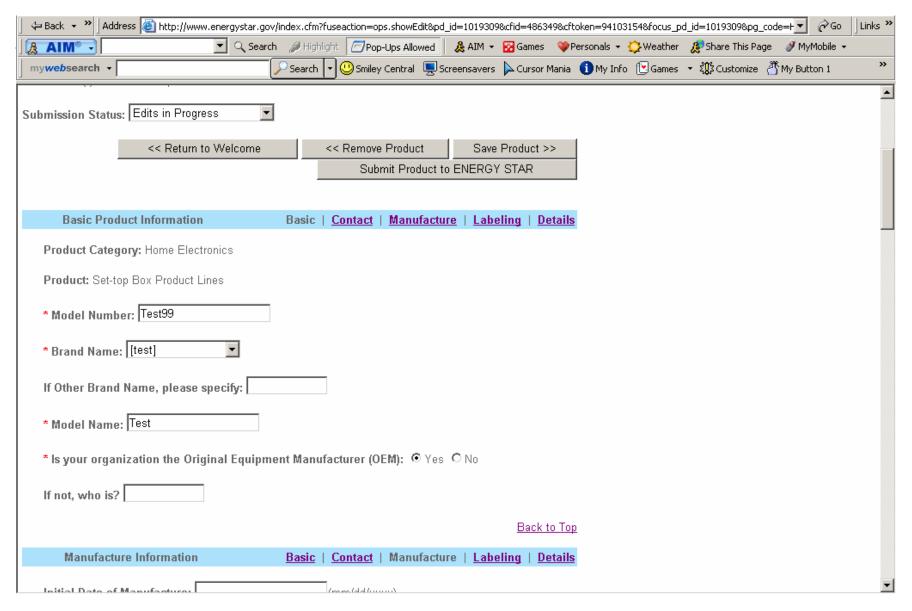
OPS Welcome Screen



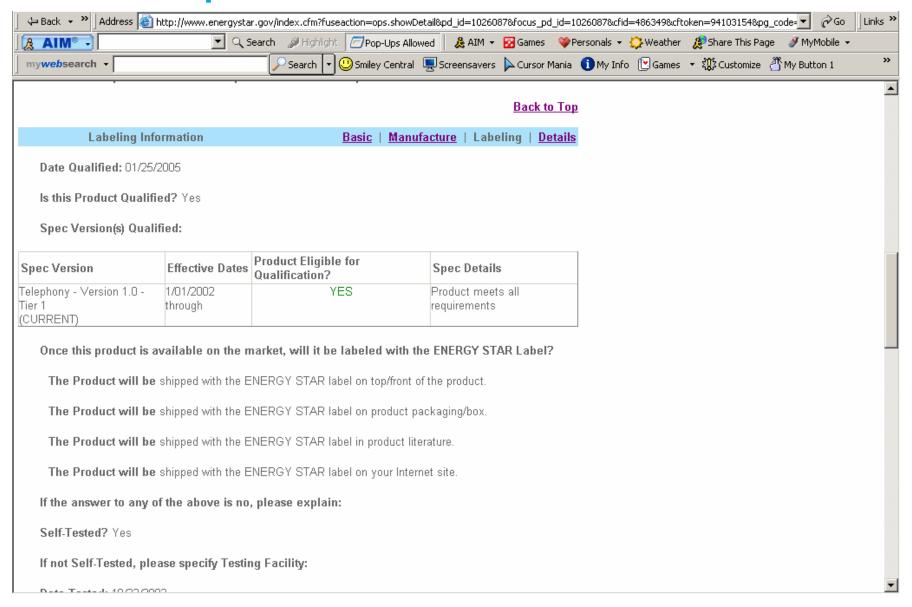
OPS View Product Information



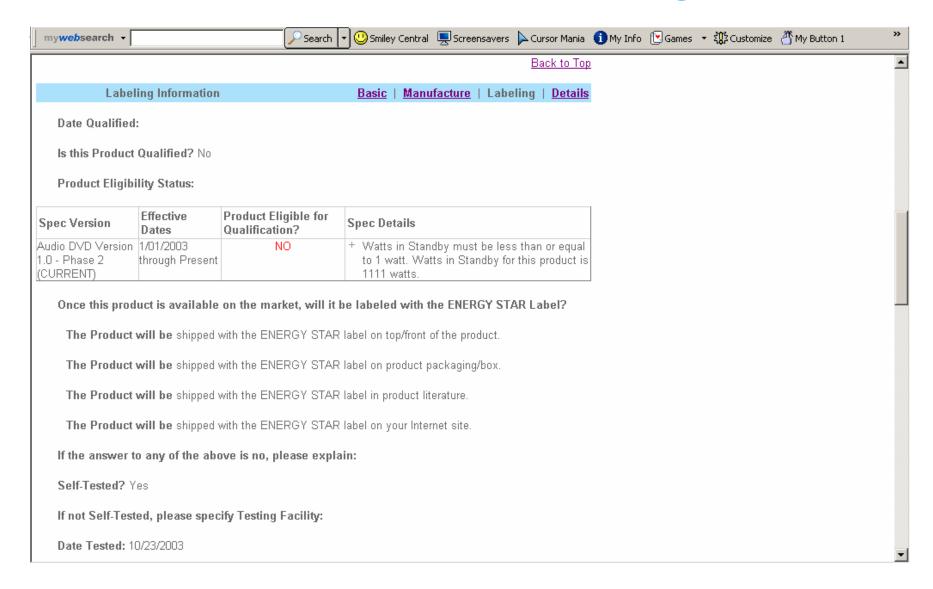
OPS Edit Product Information



OPS Spec Version/Field Validation



OPS Product Not Eligible



OPS Features for partners

- Better Access
 - Partners can update/edit/view information for current and historical products
- Access Control Levels: Several members of the organization can participate in the process
 - Data provider role has the ability to enter/edit data
 - Data submitter role has the ability to enter/edit/submit data



OPS Features for partners continued...

Security

- Partners only have access to their own product information
- Partners do not have access to other manufacturers' information
- Ease of data entry
 - Users can copy a model and save it with a new model number instead of entering data individually for each model



Timelines for OPS Modules

- Completed modules
 - Home Electronics September 2003
 - Office Equipment May 2004
- Future OPS modules
 - External Power Adapters June 2005
 - Lighting Winter 2005

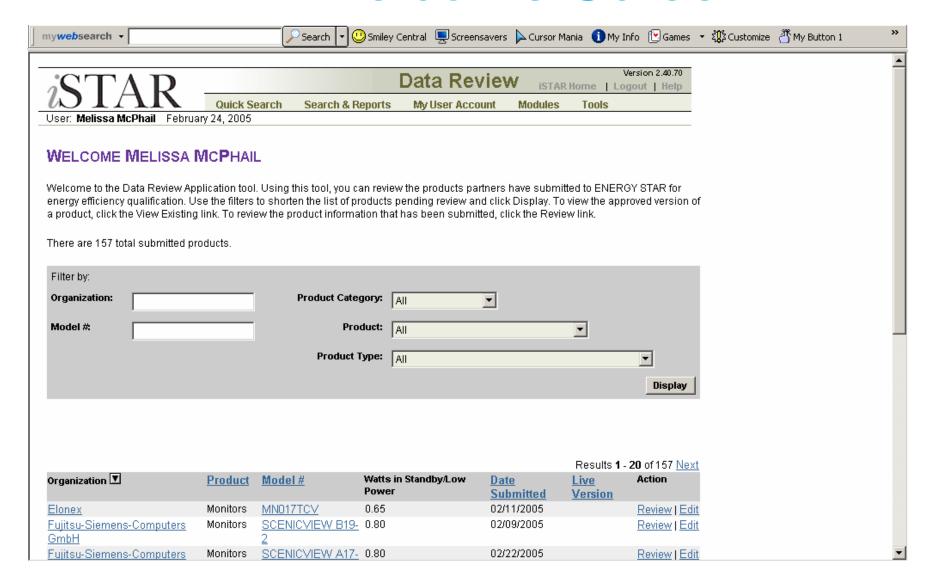


Data Review Application (DRA)

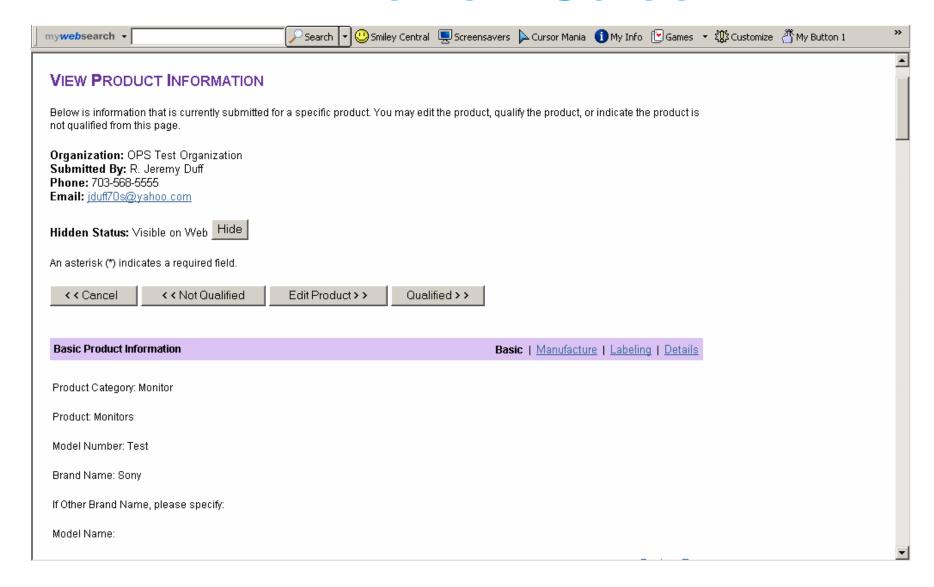
- Once products are submitted through OPS, they are available for ENERGY STAR review and qualification through DRA
- Product data is stored in a temporary storage area of the database until approved
- Once approved, product data goes into iSTAR and will be displayed on qualified product lists and FAP as long as the product is qualified and available
- Over 2,000 products have been qualified through DRA



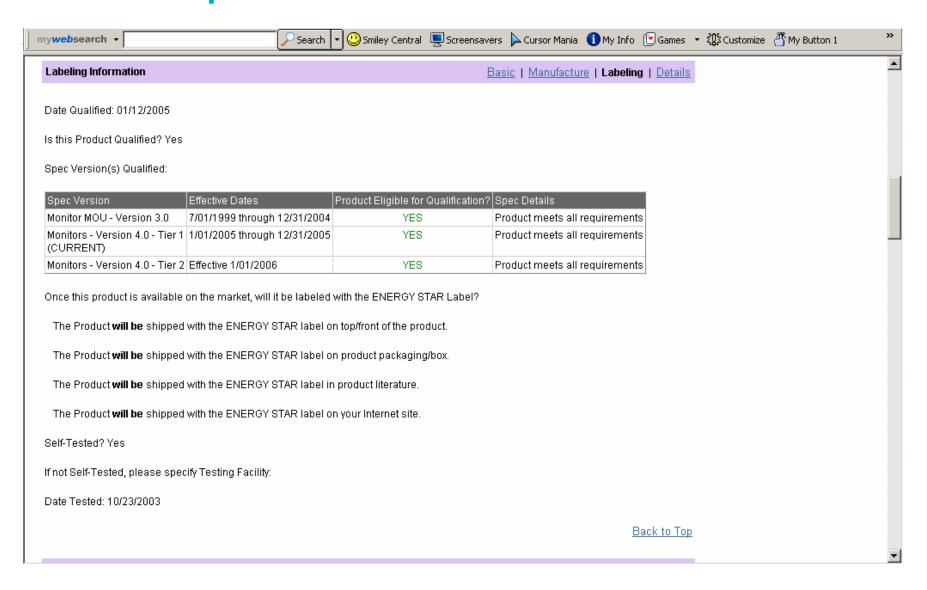
DRA Welcome Screen



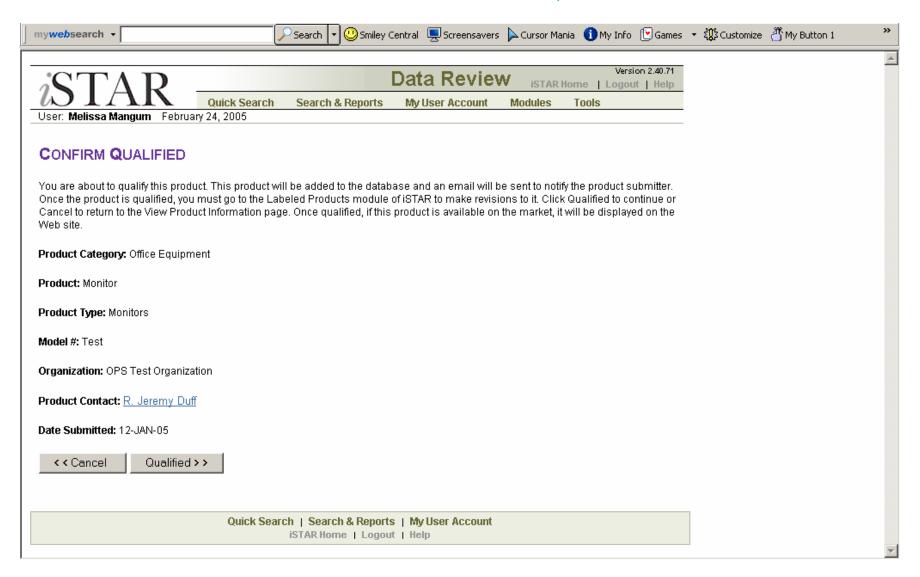
DRA Review Screen



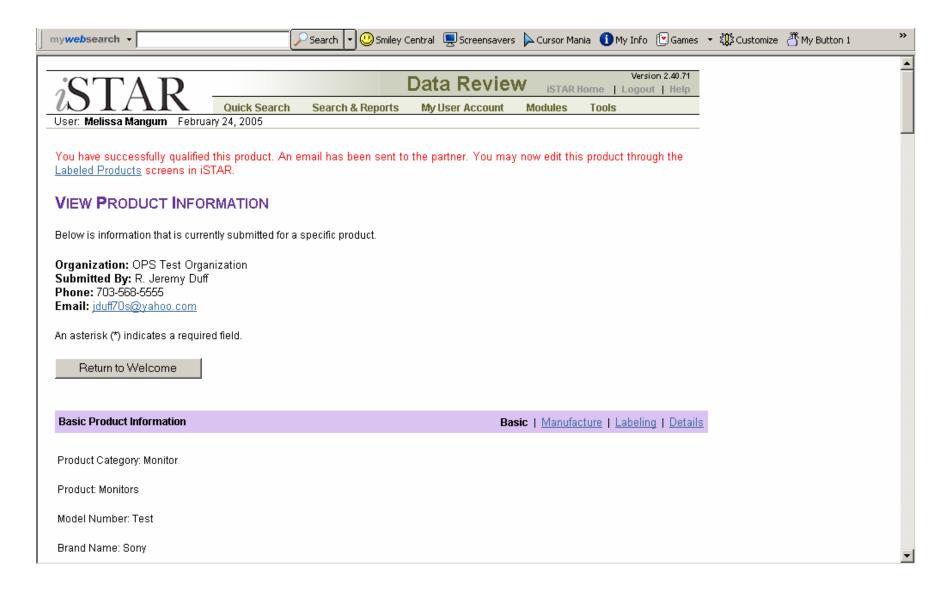
DRA Spec Version/Field Validation



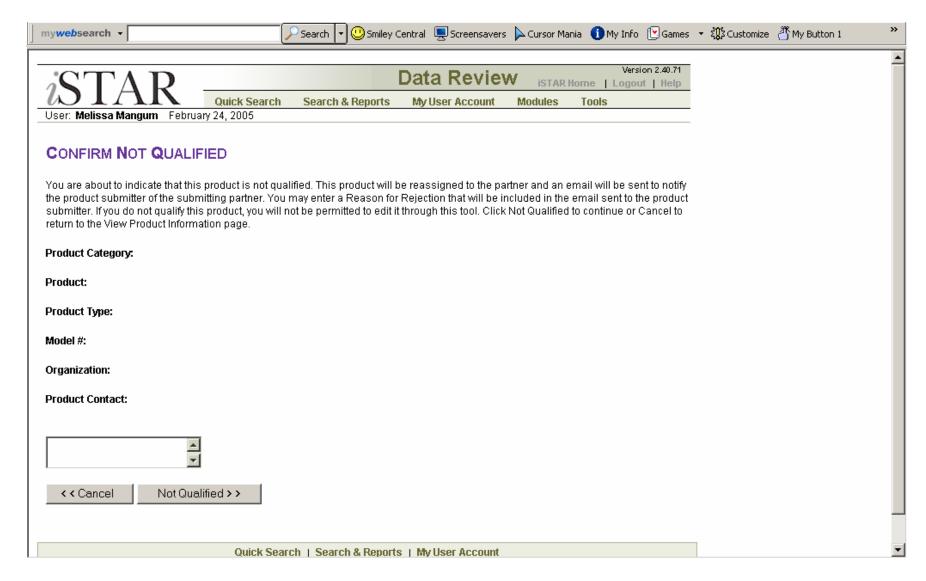
DRA Confirm Qualified



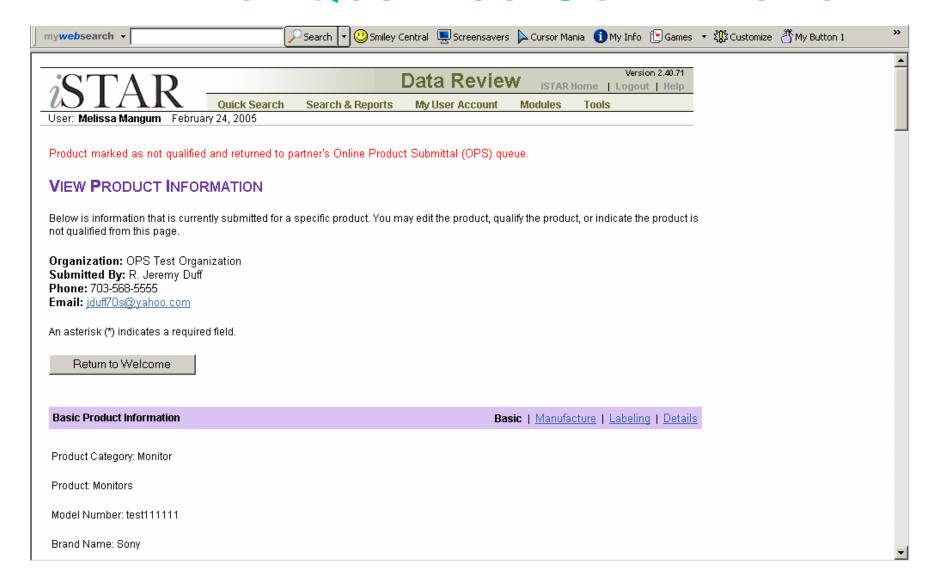
DRA Qualification Confirmation



DRA Confirm Not Qualified



DRA Not Qualified Confirmation



iSTAR

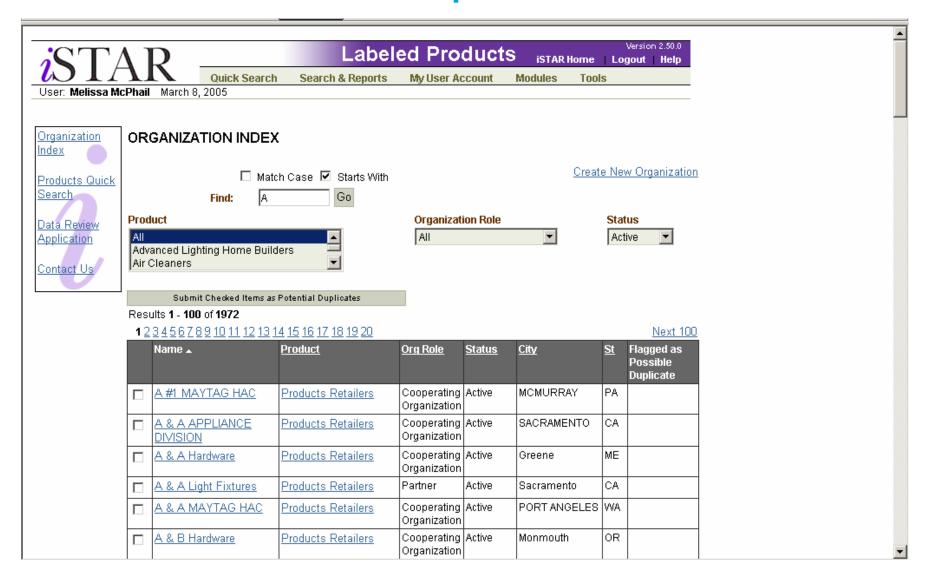
- iSTAR is the ENERGY STAR Intranet used to manage the data stored in the iSTAR database
- Only ENERGY STAR staff and contractors have access to the iSTAR application
- Once a product has been approved through DRA, it is available for editing through the Labeled products module of iSTAR



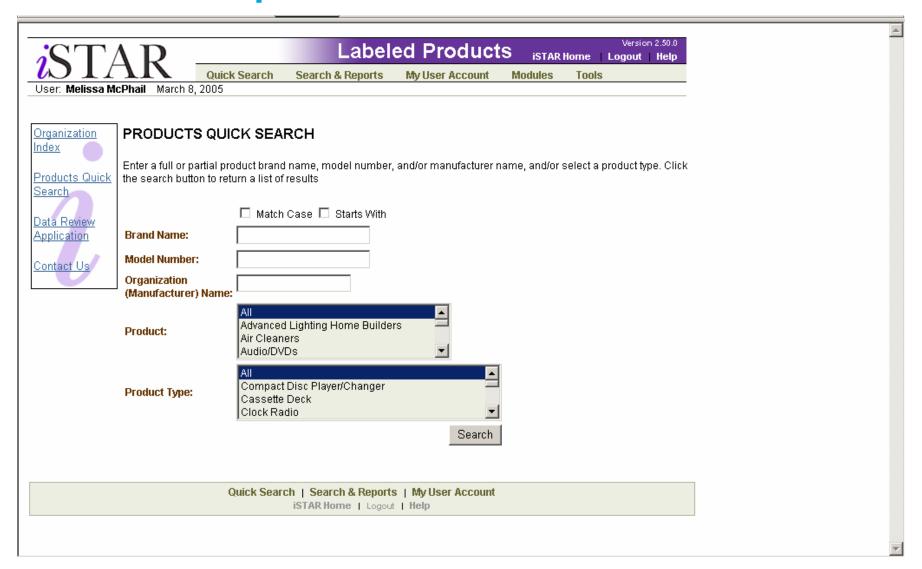
iSTAR Login

<i>i</i> STAR	Version 2.50.0 Login	4
	March 8, 2005	
P	LEASE LOGIN	
	User Name:	
	Password: Login Forgot your Password?	
	This is a US government (EPA and DOE) computer system which may be accessed and used for authorized use only.	
	Please change your password the first time you login. Usernames are not case sensitive. Default passwords are in ALL CAPS and can be changed to lowercase when selecting "Change Password" under User Administration.	
	Version 2.50.0	

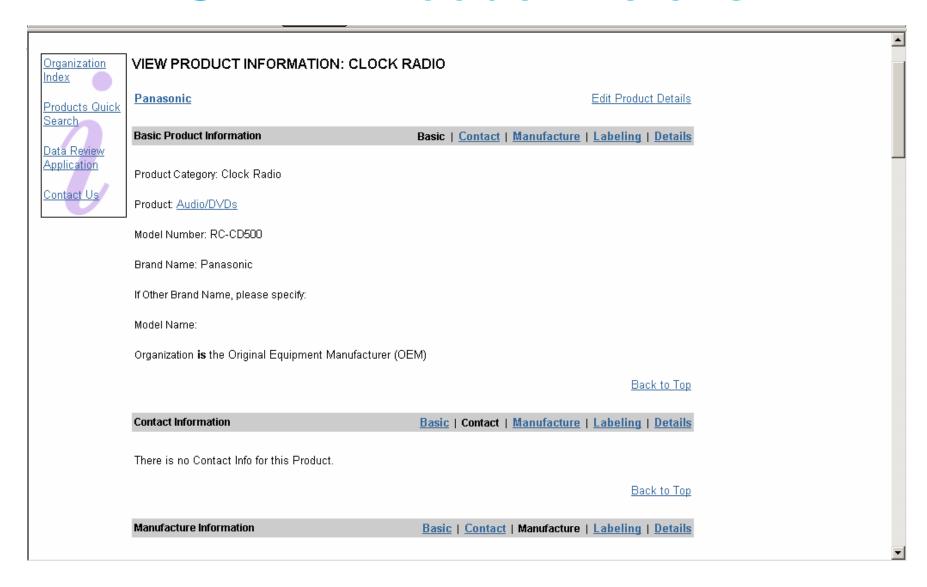
iSTAR Labeled products Module



iSTAR products Quick Search



iSTAR Product Details

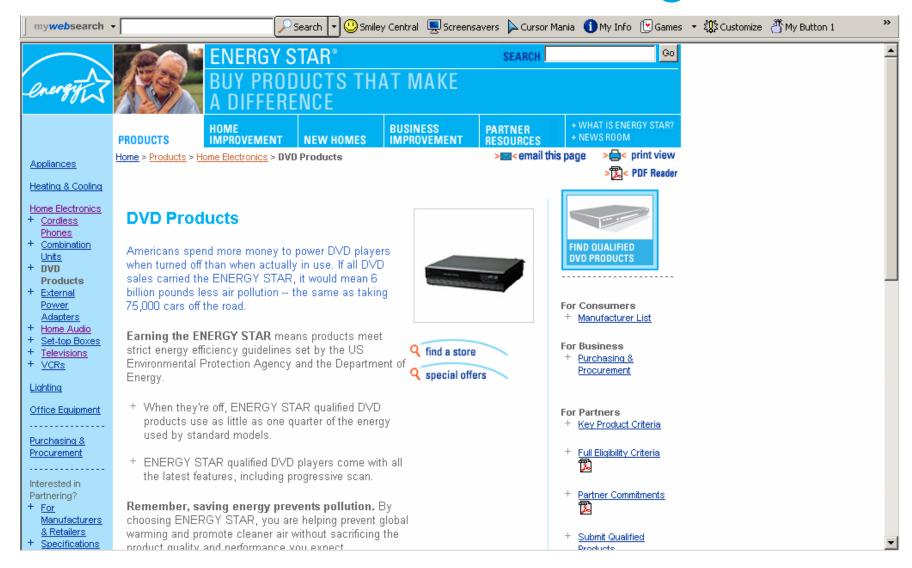


Find-A-Product (FAP)

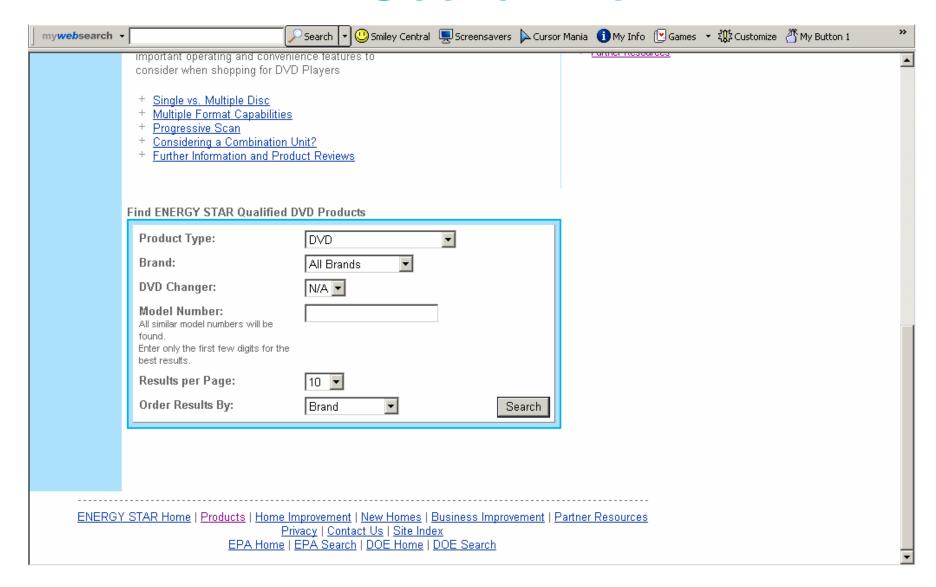
- FAP is a tool intended to help US consumers compare product features and make purchasing decisions
- Acts like other shopping sites
- The FAP feature is currently available for all home electronics products
- FAP for office equipment products will be released this Spring
- Data quality enhancements will be made in Summer 2005



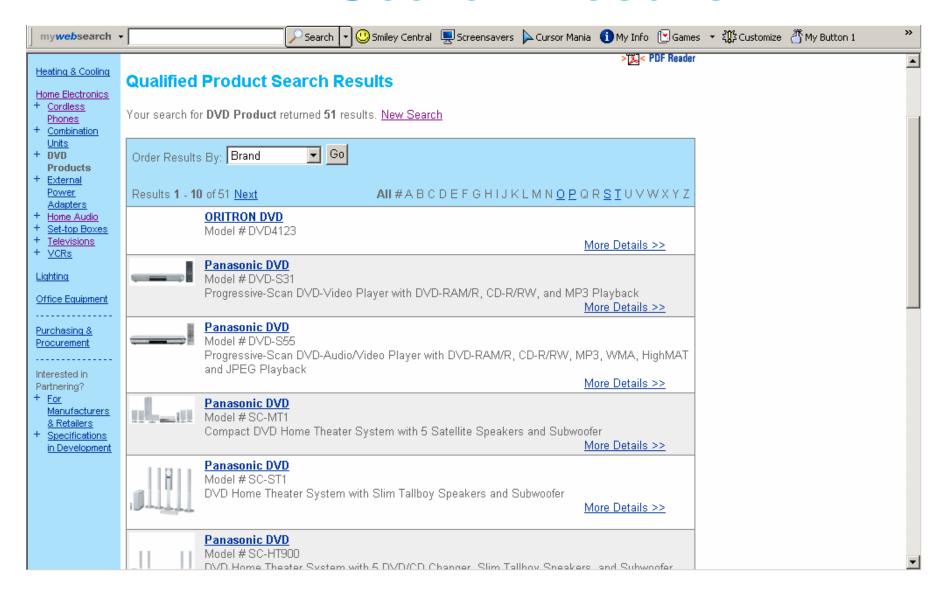
FAP on Product Pages



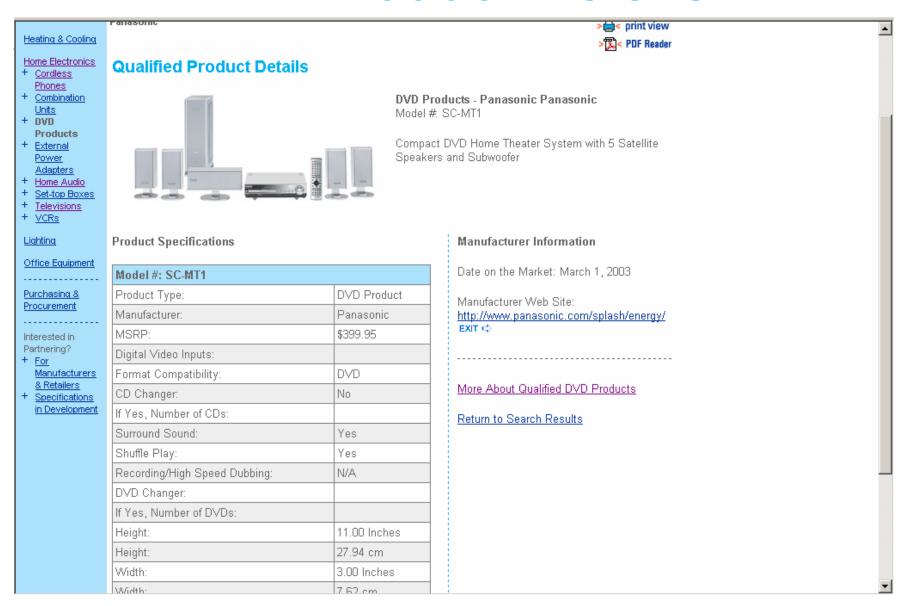
FAP Search Form



FAP Search Results



FAP Product Details

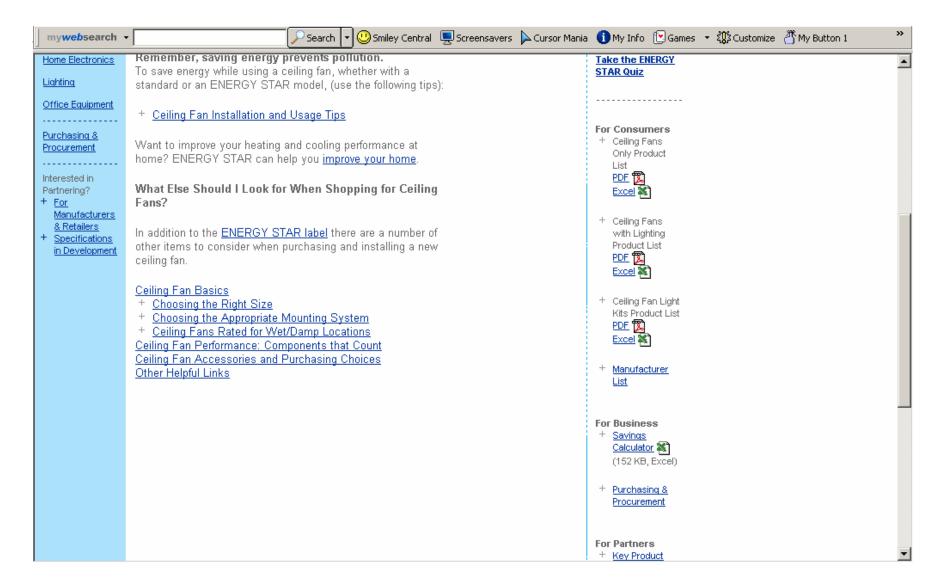


Qualified Product (QP) Lists

- A list of all qualified and available products (regardless of market) which are stored in the iSTAR database
- Intended for consumers, utilities, and government procurement agencies
- Available in PDF and Excel formats
- Lists are posted monthly
- Consumer pages with the Find-A-Product (FAP) feature do not have QP lists



QP Lists



International Use of OPS

- EPA goal: To recruit as many international partners as possible so that the iSTAR database can be the global repository for qualified product data.
- Progress:
 - European Union
 - New Zealand



European Union

- Agency: European Commission
- Have an established database for storing product data
- Mapped data sets from iSTAR to their structure
- ENERGY STAR sends the EC monthly data updates via flattened comma separated value (.csv) files and alerts them to any iSTAR database structure changes
- Interested in office equipment product data only

New Zealand

- Agency: Energy Efficiency Conservation Authority
- US EPA provided a package documenting the iSTAR database, including:
 - Entity-Relationship Diagram (ERD)
 - Data Element Dictionary (DED)
 - Sample data
 - Sample queries
- NZ plans to establish their own database and EPA will send periodic data transfers
- Interested in product data for both home electronics and office equipment

Next Steps

- Other partners EPA has been communicating with about potential data exchange/coordination
 - Australia
 - Canada
 - Japan
 - Taiwan



Lessons Learned

- Needs vary by country
- Language barriers may be significant
- Documentation packages and data exchange methodologies can be tailored as needed
- Established data transfer process could be tailored and used to exchange other types of data

Questions & Answers

