

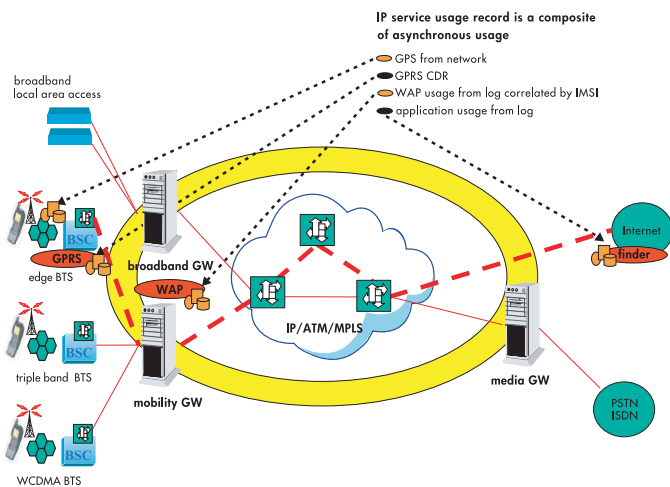
## hp gprs mediation solution— an hp netaction product

*turning value creation into value capture*

### revenue assurance for the mobile internet

Hewlett-Packard has already taken the lead in mediation for the Internet with its Internet Usage Manager, a usage meter and manager that captures data for mediation. Now HP adds the GPRS Mediation Solution, a specialized set of extensions that process usage data from network equipment conforming to the general packet radio service (GPRS) specification.

The GPRS Mediation Solution is a charging gateway that together with Internet Usage Manager arms you with information about usage of resources in your mobile network. It correlates all usage against the user's IP session, aggregates usage records according to configurable rules, identifies errors and handles reprocessing, and enables highly comprehensive audits. No matter what your network contains—GPRS switches, WAP gateways, SMS messages, IP services, and more—you stay on top of each different usage and billing option. You turn value creation into value capture.



*getting mobility usage data can be complex and difficult but internet usage manager and the gprs mediation solution let you corral your mobile network*

### benefits of internet usage manager with the hp gprs mediation solution

- focused, complete usage capture for a mobile IP user
- more effective management of the mediation data stream
- easier integration in the mobile network
- billing flexibility, with minimal impact on existing rating and billing systems
- timely data from an event-based processing model
- greater profitability from mobile services

### key features of the hp gprs mediation solution

- **Focused set of IUM objects**—Optimized for the GPRS network.
- **GPRS ASN.1 parsers**—Handle data typically generated by GPRS network switches, and include a parselet architecture that allows you to extend the standard parsing behavior. Use the Plug-in Developer's Kit (PDK) to create new parselets, too.
- **ASN.1 editor**—You can modify the parser to match the parse tree to the upgraded switch's ASN.1, right onsite.
- **Business rules in session collector**—Minimize the complexity of customizations required to reflect differences in GPRS switch implementations from different vendors.
- **Selection of transport functions**—For example, between GPRS switches and the mediation infrastructure, you can choose such typical transports as FTP file transfer or GTP'.
- **Scalable WAP processing**—WAP collectors provide validation, filtering, and optimized aggregation of WAP logs to ensure scalable processing of WAP usage.
- **Highly scalable correlation**—Data collection from various network elements is automatically correlated to the user session data. Partitioning ensures the scalability needed by tier one operators.

- **Improved performance**—Correlated data can be aggregated prior to delivery to the rating system, limiting the impact and improving performance.
- **Automated error reprocessing**—Identifies errors during parsing or rule processing and moves them to the operator's repair function. The GPRS Mediation Solution automatically finds all associated usage, performs correlation, and submits the repaired data to billing.
- **Sophisticated audit services**—Allow usage records to be tracked from the time they enter Internet Usage Manager until they exit. You can easily trace revenue leakage back to the network switches and their operation.

## add these other products for data capture and faster business decisions

The GPRS Mediation Solution is another key component of the HP Netaction suite of integrated service management software. HP Netaction software provides the most flexible foundation for rapidly developing, integrating, and deploying e-services for a faster time to market and rapid ROI.

Look at these other closely related Netaction products:

- Want the lowdown on your IP data? Get HP Internet Usage Manager, the industry's premier IP mediation and usage management platform.
- Need to make business decisions quickly? Take a look at HP's Dynamic Netvalue Analyzer, which analyzes the data from Internet Usage Manager and gives you up-to-the-minute key business information.

For more information, see the product briefs at [www.hp.com/usage](http://www.hp.com/usage)

## product specifications

collectors	<ul style="list-style-type: none"> <li>• GPRS collector packages</li> <li>• GTP<sup>1</sup> collector</li> <li>• WAP collector packages</li> </ul>
editors	<ul style="list-style-type: none"> <li>• ASN.1 editor</li> </ul>
special documentation and toolkits	<ul style="list-style-type: none"> <li>• installation documents</li> <li>• high level solution guide for designing GPRS collector hierarchy</li> <li>• low level configuration guide</li> <li>• performance spreadsheets for integrator sizing</li> </ul>

## supported data sources

This table provides just an indication of the range of supported data sources. For a complete, up-to-date listing, see [www.hp.com/usage](http://www.hp.com/usage)

## sample list of supported data sources

encapsulator and/or parser	data sources encapsulated
batch file transfer-connected distributed charging function	<ul style="list-style-type: none"> <li>• Ericsson GSN</li> <li>• Siemens GSN</li> </ul>
GTP <sup>1</sup> -connected centralized charging function	<ul style="list-style-type: none"> <li>• Nortel Networks™ GGSN</li> </ul>
centralized charging function	<ul style="list-style-type: none"> <li>• Nokia GSN</li> <li>• Motorola/Cisco SGSN/GGSN</li> </ul>
WAP log	<ul style="list-style-type: none"> <li>• OpenWave</li> <li>• CMG</li> <li>• Tantau</li> </ul>

## configuration

HP GPRS Mediation Solution is available for HP-UX, Windows NT® 4.0, Sun Solaris, Linux, and other platforms. The size and number of machines for any of the platforms depend on the service provider's performance requirements, high availability requirements, and network topology.

## ordering

### Z7491A: GPRS Mediation Solution

- **#010** Machine license (order 0 or more)
- **#020** Single collector LTU (order at least one)
- **#AAF** CD-ROM media
- **#0B1** Hardcopy manual set
- **#0S3** 8×5 Telephone support (1st year)
- **#0S6** 24×7 support (1st year)
- **#3Y3** 3-year 8×5 telephone support
- **#3Y6** 3-year 24×7 support

### Z7092EA: HP Internet Usage Manager

### Z7510A: HP Internet Usage Manager Developer Assist

## availability

The HP GPRS Mediation Solution is available now. For more information, see [www.hp.com/usage](http://www.hp.com/usage)

Or contact your HP account representative or call the HP Internet Usage Manager Hotline at +1 408 447 4815.

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