

GMS VALIDATOR

'Enforce compliance of specific card data entered by GMS operators to meet specific customer-defined rules'



OVERVIEW

GMS has a mechanism which allows applying custom validation rules to the card and cardholder values entered by an operator in the GMS Card Access Manager GUI. The mechanism is based on a client developing a special ActiveX component called a 'Validator'. At run-time when a card is about to be saved, GMS invokes a Validator which verifies the data in the appropriate fields. The Validator applies the respective validation logic to the received data, and returns "ok-to-save" or "failed" result back to GMS.

There can be more than one Validator component registered with GMS, and GMS will invoke each of them in sequence. Any single "failed" result returned by any of the Validators will stop GMS from saving the card. The Validators are invoked after GMS's own built-in validation has been successfully passed.

An example of where the Validator would be helpful is if there is a situation where a cardholder's Personal ID needs to comply with a national Security ID format such as "00000-00" and that the ID is unique. This can easily be achieved by developing a specialized Validator.

FEATURES

- Enables card field validation rules to be applied to the GMS client
- Fields in the GMS Access Manager can be designated as mandatory, can have dependencies on other fields and can be set to comply with specific formats
- Can be developed by anyone with moderate software development skills
- Multiple rules can be defined in the GMS Validator and the criteria is checked sequentially

FREQUENTLY ASKED QUESTIONS (FAQS)

WHO CAN DEVELOP A VALIDATOR?

The GMS Validator is a COM component that can be developed by anyone with moderate software development skills. The Validator COM DLL can be developed using any language/environment that allows generating a Win32 COM object.

IS THERE ANY DOCUMENTATION AVAILABLE OR A SAMPLE APPLICATION THAT CAN BE USED FOR DEVELOPING A CUSTOM VALIDATOR?

Yes and yes. Some sample code can be freely used as a prototype for developing your own GMS Validator. A Microsoft Visual C++ 6.0 Sample 'Validator' component can be supplied to any interested parties. There is also an Implementation Guide for Developers which contains all the appropriate information. Send your request to support@pacom.com.

WHAT VERSIONS CAN THE VALIDATOR BE APPLIED TO AND HOW IS IT CONFIGURED?

Support for the Validator was introduced in GMS v3.50 and is supported in all future versions. Once a Validator has been created, the GMS32.ini file needs to be updated on the GMS Server as follows:

[Cardholder Validators]

1=ValidatorDispatchName here

2=...

WHAT HAPPENS TO THE VALIDATOR ON A GMS UPGRADE?

When upgrading from one GMS version to another, the GMS backup will not backup the custom Validator files. Therefore it is the customers' responsibility to take a backup of all the validator components and check that they are appropriately configured in the new version.

WHICH FIELDS CAN THE VALIDATOR APPLY TO?

The following card access fields can be referenced by the Validator: Card Number, Facility Code, Issue No, Printed No, Card Type, PIN, Duress PIN, Dual User Control flag, Extended Shunt/Strike Time flag, Add Last Code Byte to PIN flag, Store Code for Degraded Mode flag, Use PIN to Access flag, Supervisor flag, Executive Operation flag, Escort Capable flag, Escort Required flag, Permanent User flag, Valid From, Valid To, Card Status, Last Name, First Name, Middle Name, Date of Birth, Personal ID, Title, Street, City, State, Zip, Home Phone, Office Phone, Phone Extension, Department, User Fields 1-16.

Note: Although the date fields use a calendar control in the GMS GUI, the saved date must be in the format dd-mm-yyyy.

DOES THE VALIDATOR APPLY TO THE GMS WEB INTERFACE?

Not yet. A GMS version expected to be released in early 2011 will enable the Validator to operate on the web interface.

ARE THERE ANY COSTS OR LICENSING REQUIREMENTS FOR THE VALIDATOR?

No. The Validator has been designed so that third parties can develop this without the involvement of Pacom. There may a development fee if Pacom is requested to perform the Validator customization.