## **DBSHORT - Interpretation of Database Field Short Names**

This Natural profile and session parameter can be used to determine the interpretation of database field short names. It corresponds to the option DBSHORT of the Natural system command COMPOPT.

A database field defined in a DDM is described by two names:

- the short name with a length of 2 characters, used by Natural to communicate with the database (especially with Adabas);
- the long name with a length of 3-32 characters (1-32 characters, if the underlying database type accessed is DB2/SQL), which is supposed to be used to reference the field in the Natural programming code.

Under special conditions, you may reference a database field in a Natural program with its short name instead of the long name. This applies if running in Reporting Mode without Natural Security and if the database access statement contains a reference to a DDM instead of a view.

The decision if a field name is regarded as a short-name reference depends on the name length. When the field identifier consists of two characters, a short-name reference is assumed; a field name with another length is considered as a long-name reference. This standard interpretation rule for database fields can additionally be influenced and controlled by setting the compiler option DBSHORT to ON or OFF:

Possible	ON	The usage of a short name is allowed for referencing a database field.		
settings		However, a data base short name is <i>not permitted</i> in general (even if DBSHORT=ON)		
		• for the definition of a fig	eld when a view is created;	
		• when a view field is use	ed in the programming code;	
		<ul> <li>when a DEFINE DATA defines variables;</li> </ul>	LOCAL statement was previously used to	
		when running under Na	tural Security.	
	OFF	A database field may only be referenced via its long name. Every database field identifier is considered as a long-name reference, regardless of its length.		
		If a two character name is supplied which can only be found as a short name but not as a long name, syntax error NAT0981 is raised at compile time.		
		This makes it possible to use long names defined in a DDM with 2-byte identifier length. This option is essential if the underlying database you acce with this DDM is SQL (DB2) and table columns with a two character name exist. For all other database types (for example, Adabas), however, any atter to define a long field with a 2-byte name length will be rejected at DDM generation.		
		Moreover, if no short-name references are used (what can be enforced via DBSHORT=OFF), the program becomes independent of being compiled without Natural Security.		
Default setting	ON			
Dynamic specification	yes			
Specification within session	yes	Applicable Statements:	OPTIONS	
		Applicable Command:	Either GLOBALS or DBSHORT option of COMPOPT	

## **Examples:**

Assume the following data base field definition in the DDM EMPLOYEES:

Short Name	Long Name
AA	PERSONNEL-ID

## Example 1:

```
OPTIONS DBSHORT=ON
READ EMPLOYEES
DISPLAY AA /* data base short name AA is allowed END
```

## Example 2:

END-READ

END