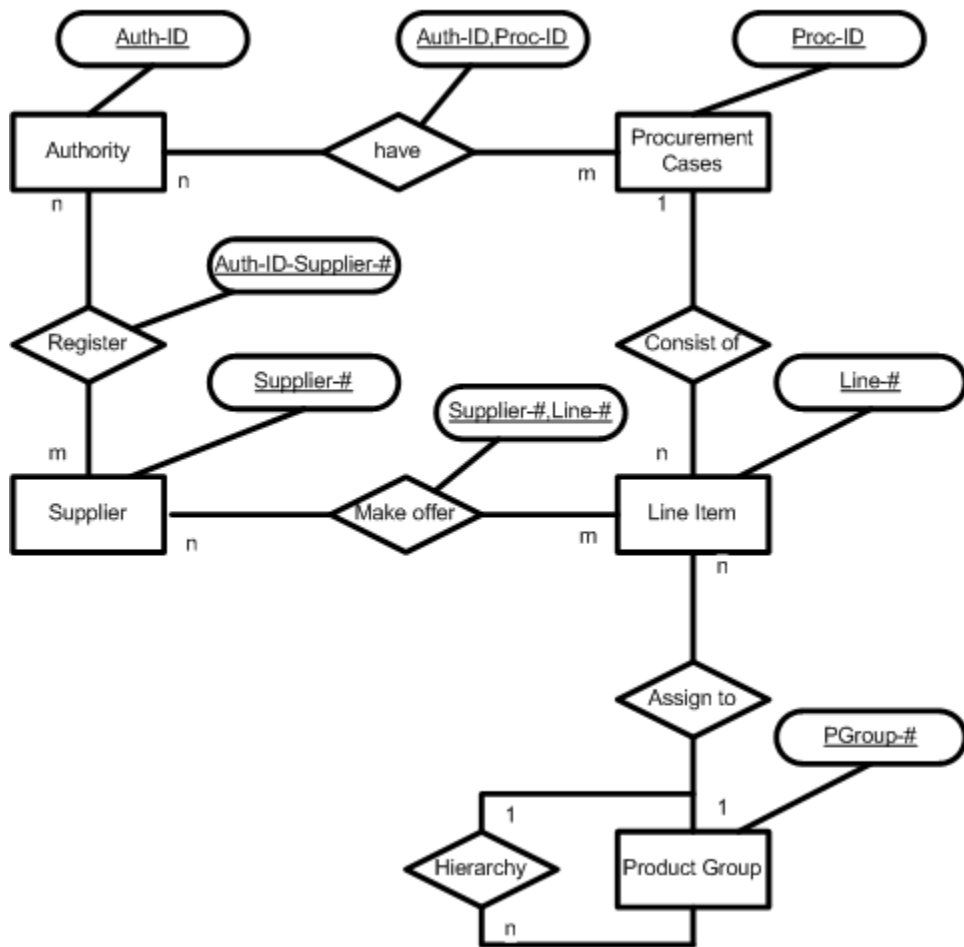


## **E-Commerce System for Public Procurement**

Source: [Hohe99], adapted by Farid El Masri, adjusted by Gerhard Pokorny

### **Transfer the following verbal description into an ERM:**

- a) Authorities (Auth-ID) have procurement cases (Proc-ID), which consist of certain line items (Line-#), the single procurement positions. Procurement cases of several authorities can also be summarized.
- b) There is a hierarchical classification system of product groups (PGroup-#); each product group is assigned exactly to one super group. Each line item is uniquely assigned to a product group.
- c) For public procurement cases, there are a number of registered suppliers (Supplier-#) for each authority, whereby a supplier can be registered with several authorities. Suppliers make offers for certain line items.



Authority

<u>Auth-ID</u>	...

Have

<u>Auth-ID</u>	<u>Proc-ID</u>

Procurement Cases

<u>Proc-ID</u>	...

Line Item

<u>Line-#</u>	...	<u>Proc-ID</u>	<u>PGroup-#</u>

Supplier

<u>Supplier-#</u>	...

Make offer

<u>Supplier-#</u>	<u>Line-#</u>

Register

<u>Auth-ID</u>	<u>Supplier-#</u>

Product Group

<u>PGroup-#</u>	<u>PGroup-#-SuperGroup</u>