

EDITORIAL NOTE: There are 31 job-associated modules. The modules for chemical industry worker, engineer, and painter are given as examples. The other job modules are available from P. Stewart.

ENGINEER (EN)

Lead-in. I am going to ask about specific tasks you may have done while you worked as (a/an) (JOB TITLE) at (EMPLOYER) [from (YEAR STARTED) to (YEAR STOPPED)]/in (YEAR)].

Office. While on the job, did you ever work in an office?

- YES..... 1
- NO 2 (BOX EN-2)

OfficeTime. ASK TimeSpent3 SUBROUTINE (ACTIVITY = "did you work there").

BOX EN-1

IF **OfficeTime** > 80% OF HRS/WK WORKED, DO NOT ASK **ProductionAreaTime**, **ControlRoomTime**, and **PilotPlantTime**.

BOX EN-2

IF MANUFACTURING INDUSTRY, ASK **ProductionArea** THROUGH **PilotPlantWorkers**. OTHERWISE, GO TO BOX EN-6.

ProductionArea. Did you usually spend the remainder of your work time in a production area of the plant?

- YES..... 1
- NO 2 (**PilotPlant**)

ProductionAreaTime. ASK TimeSpent3 SUBROUTINE (ACTIVITY = (did you work there").

BOX EN-3

IF **ProductionAreaTime** > 5 HRS/WK, ASK **ControlRoom** THROUGH **ProductionWorkers**. OTHERWISE, GO TO **PilotPlant**.

ControlRoom. While in a production area of the plant, did you usually work in a ventilated control room?

- YES..... 1
- NO 2 (**ProductionWorkers**)

ControlRoomTime. ASK TimeSpent3 SUBROUTINE (ACTIVITY = (did you work there").

ProductionWorkers. What were other workers doing in the production area where you spent most of your time?

PilotPlant. On this job, did you work in a pilot plant?

- YES..... 1
- NO 2 (BOX EN-6)

BOX EN-4

IF **OfficeTime** + **ProductionAreaTime** < 80% OF HRS/WK WORKED, ASK
PilotPlantTime.
OTHERWISE, GO TO BOX EN-5.

PilotPlantTime. ASK TimeSpent3 SUBROUTINE (ACTIVITY = ("did you work there")).

BOX EN-5

IF **PilotPlantTime** > 5 HRS/WK, ASK **PilotPlantWorkers**.
OTHERWISE, GO TO BOX EN-6.

PilotPlantWorkers. What were the other workers doing in the pilot plant while you were there?

BOX EN-6

IF NOT MANUFACTURING INDUSTRY AND **OfficeTime** < 80% OF HRS/WK
WORKED, ASK **OtherWorkers**. OTHERWISE, GO TO **Chemicals**.

OtherWorkers. What were other workers doing in the area where you spent most of your time when you were not in an office?

Chemicals. Did you ever work in an area where chemicals or other materials were used?

YES..... 1
NO 2 (END MODULE)

ChemicalsTouched. What chemicals or materials were they?

ChemicalsOnSkin. Did you ever get chemicals on your skin?

YES..... 1
NO 2 (END MODULE)

Skin. ASK SKIN2 MINI-MODULE (SUBSTANCE = "chemicals").