COST SHEET SOURCES

Legend: manual | system-based | additional

Types:

- Full costing - for a specific device [budgetary costing]
- Cost adder - for additional/specific operations [costing for billing to customers/suppliers]
- Cost comparison – for a specific device or operation; can be full costing or cost adder [with multiple options in terms of process or materials used]

Sources:

- LABOR
  - Labor rates: fixed per SBU; historical data subject for review by Corplan
    - Grouped by: DL, IDL support, IDL direct support
    - Computed as labor rate + fringes (which is 60% of labor rate)
    - Subject to adjustment for any wage order issued
    - Should have a version control
  - HPK: Flow sheet from costing reference by IE
    - Effective cumulative yielded HPK
    - Cumulative yielded HPK (labor)
    - Cumulative yielded HPK (total/cycle) - often referred to as "combined"
- MATERIALS
  - Material price: Extracted on a monthly basis from report access page [LAST PO PRICE]
    - Consists of the following:
      - Stock no.
      - PO UOM
      - Currency
      - Unit price

      Note: To add unit price in dollars ($) and type of supplier (local or indent)
      As per costing policy, price conversion for peso to dollar is 50.
    - As per costing policy, last purchase price should be captured.
    - *Notes for proposed changes:*
      1. This should be automated and must have a version control. New price must only be reflected on the cost sheets generated after price changes.
         - There are cases where old cost sheets are modified after a short period of time due to proposed change in the process, wherein hpk is supposed to change. Here, the old price must be retained.
      2. For modification of the report since condition is last PO price and material is already delivered. Query should check for open POs to capture the actual last PO price.
      3. To add a maintenance table for preform child stock numbers (data will be coming from IE), since these prices for these are not yet available in the database.
         - Sample: Mother stock number is TPC.RN02044 and the table on the next page shows the child stock numbers.

- Price computation for child stock number is equal to the price of mother stock number divided by the preforms per meter in pieces.
  e.g. TPC.RN02044A price = TPC.RN02044 price/775

STOCK NUMBER	SIZE (MILS)		PREFORMS PER METER (PIECES)
	LENGTH	WIDTH	
TPC.RN02044A	240	x 240	775
TPC.RN02044B	118	x 570	632
TPC.RN02044C	118	x 290	1264
TPC.RN02044D	720	x 720	51
TPC.RN02044E	280	x 380	399
TPC.RN02044F	500	x 700	74
TPC.RN02044G	200	x 200	1116
TPC.RN02044H	395	x 300	376
TPC.RN02044I	410	x 475	182
TPC.RN02044J	450	x 540	166
TPC.RN02044K	700	x 500	106
TPC.RN02044L	250	x 200	894
TPC.RN02044M	202	x 202	1110
TPC.RN02044N	408	x 498	182
TPC.RN02044O	343	x 516	216
TPC.RN02044P	620	x 750	60

4. To check qstock transfer to TPC stock.
5. One concern is some of the costing from Marketing requires materials that aren't ordered yet. If there is a quotation price available, this is manually entered in the raw material (RM) sheet, an attachment of the cost sheet.
   - Prerequisite: Marketing should accomplish for the item define form first for the stock number to be available in the system.

- Freight cost: Extracted on a monthly basis [FREIGHT FACTOR RATE]
  - Basis for computation is the freight data from Shipping
  - Revisit computation since factor rate is directly extracted from the report.
- Usage and other info: BOM sheet from costing reference by IE
  - Categorization (Raw material, operating, chemical, shipping/packing)
  - Materials (common name)
  - Stock no.
  - Description
  - UOM
  - Usage
  - Yield

- UTILITIES
  - Usage: Utilities sheet from costing reference by IE
    - Consumption per unit for power, H_2, N_2, CDA, and DI H_2O
  - Utilities cost: Fixed per utility; historical data subject for review by Corplan
    - Power – same rate with CDA
    - N_2
    - H_2
    - DI H_2O
- OVERHEAD

    - Overhead rates: fixed per SBU; historical data subject for review by Corplan
        - Variable overhead factor
        - Non-variable overhead factor (with depreciation and without depreciation)
    - Preform cutting and flatting: separate flow and utilities costing reference by IE
    - Aligners and boats usage cost: fixed for SBU and TOs; historical data subject for review by Corplan
- HEADERS
    - Based on the flow and utilities sheets from the costing reference by IE:
        - Customer
        - Package
        - Device type
        - Notes
        - No. of wires
        - No. of die
        - Volume – utilities sheet

Table below shows the summary of data sources:

Component	Data	Responsible	Remarks
Labor	Labor rates per SBU	Finance/MIS	Per SBU basis based on historical payroll data
	HPK	IE	To use costing standards instead of internal standards
Materials	Price & supplier categorization (indent or local)	Purchasing/MIS	Last purchase price or latest quotation price
	Freight	Shipping/MIS	Factor rate computation by MIS
	BOM, category, usage, and yield	IE	Separate table for yield
Utilities	Consumption	IE/Maintenance	For verifying computation and linkage to CMMS on the machine parameters
	Cost	Finance	Standard price per utitlity (power/CDA, N_2, H_2, DI water)
Overhead	Factor rates	CorPlan	Changes depending on the review (semi-annual)
	Preform cutting and flatting	IE	Separate flow and utilities sheet
	Aligners and boats usage	CorPlan/Mktg	Fixed

Trigger for cost sheet generation is the costing reference from IE, which is generated from the following:

- Customer engineering build report (CEBR)
- Time study request form (TSRF)
- Engineering build report (EBR)
- Oracle update notice (OUN)