Finance Accounting and Control Lecture 3

Management accounting

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Cost accounting

Basic definition

- Variable costs
- Fixed costs

Operational definition

- Direct cost
- Indirect cost
- General cost

Direct cost

Cost whose level is directly (physically) connected to the production of any given product

Examples

- Raw materials, components
- Consumables
- Energy
- Labour

Data are taken from MRP system (raw materials, components), EMS (Enterprise Manufacturing System) and Time-and-Methods techniques for the calculation of labour time at product level. Alternatively, they are approximated on a yearly basis.

Indirect cost

Cost whose level depends on the level of production in general but not on any specific product

Examples

- Depreciation of the equipment
- Factory services (maintenance, industrial services)

General cost

Cost whose level does not depend on the level of production but on the general activities of the firm

Examples

- Administration
- Legal and regulatory affairs
- Corporate communication

The issue of Sales and Marketing costs.

Imputation

The unit cost of a product is computed in the following way

- Direct cost
- Indirect cost as a linear proportion of the direct cost (%)
- General cost on the basis of an imputation principle

Imputation principle = strategic and operational logic underlying the allocation of general costs

Cost centre vs profit centre

Within companies, cost accounting is used to monitor and control the operational activities.

The responsibility is allocated to organizational units that respond to the top management with respect to the indicators imputed to the unit.

Units

- Cost centre- only direct cost + indirec cost
- Profit centre- all costs, including general cost

Cost allocation

The general principle is that each unit should be responsible for activities for which it has power and authority.

Cost centre

- No responsibility for marketing and sales
- No allocation of commercial expenses
- Allocation of indirect costs as a proportion of
- Only responsibility for operational activities

Profit centre

- Full allocation of all costs, including overhead (general expenses)

Operational unit cost configurations

Direct cost

- Direct personnel
- Raw materials, components
- Consumables
- Energy consumption

Industrial cost

- Depreciation
- Factory services

Cost of sales / Commercial cost

- Direct sales personnel
- Sales fees
- Direct promotion & advertising

Full cost

- Administration
- General marketing expenses
- Other general operational expenses

Break even analysis

Key points

- Fixed costs must be covered with revenues- but fixed costs do not depend on volumes
- Variable costs have two regimes of variability
 - Decreasing returns (U-shaped marginal cost function)
 - Constant returns (constant marginal cost)
- Assumption: price is fixed across the volume range
- Under these conditions there is a unique quantity for which profit equals zero- called breakeven point (BEP)
- Below the BEP the firm is suffering losses, beyond the BEP it enjoys profits

Break even analysis

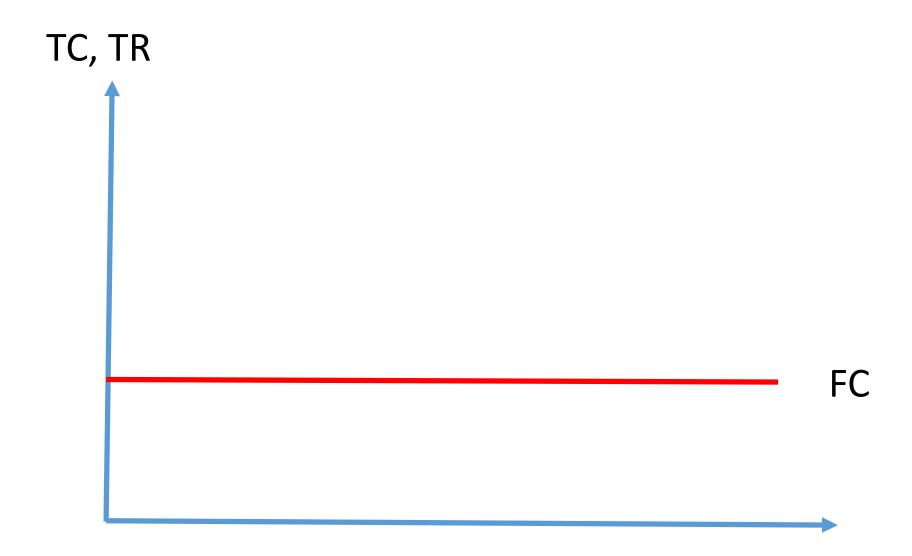
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CF = fixed cost
VC= variable cost
VC= vQ
v= unit variable cost, or marginal cost

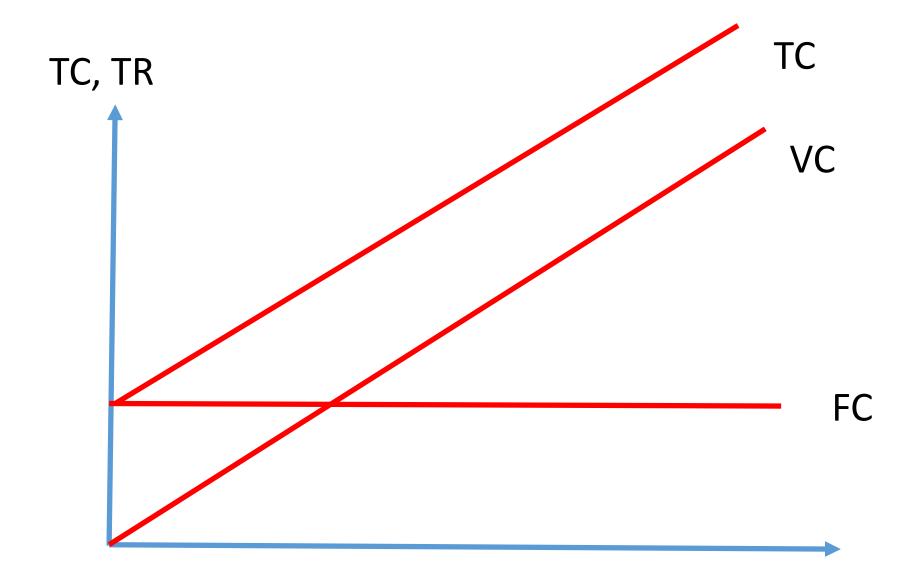
p= product price
(p-v)= contribution margin
TR= total revenues = pQ

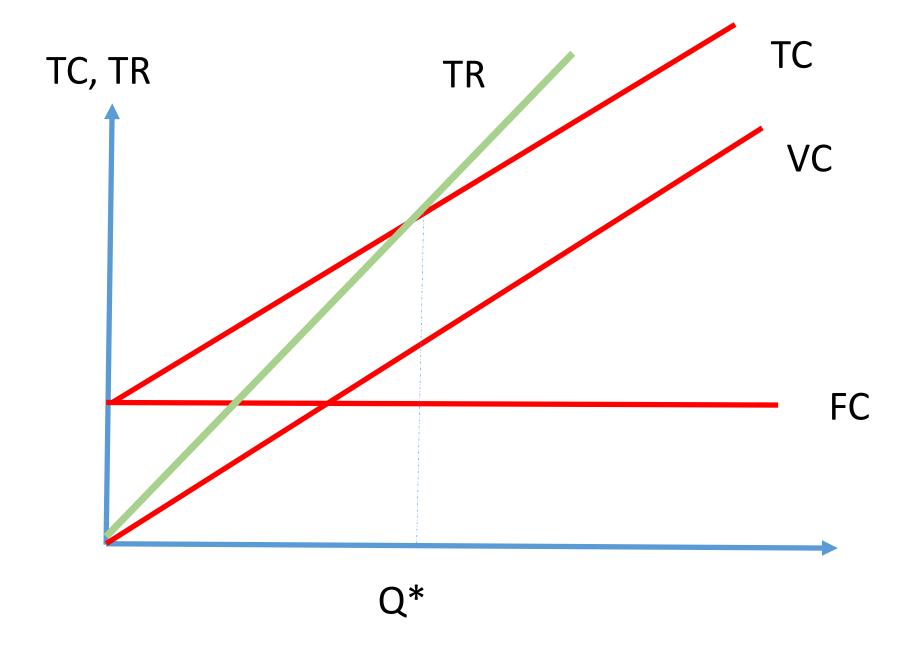
TC= FC + VC
TC = TR
FC+VC = pQ
FC + vQ = pQ
```

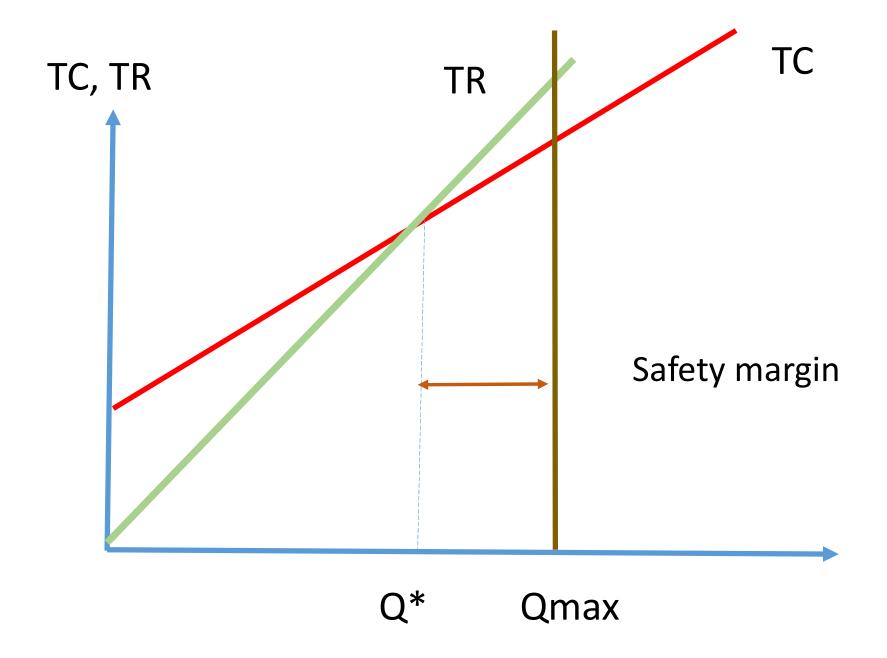
FC = Q(p-v)

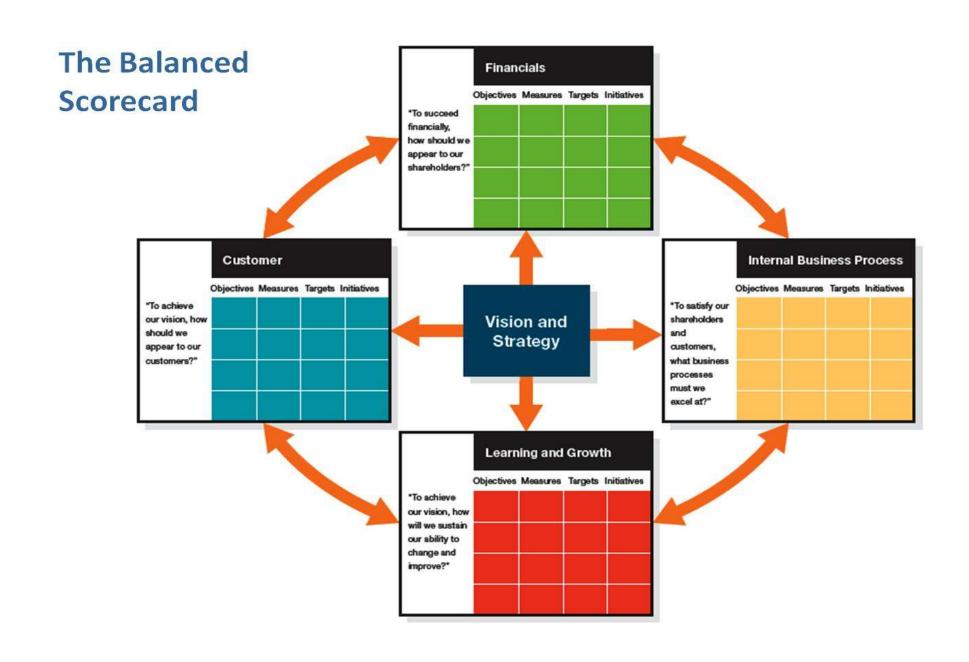
$$Q^* = FC / (p-v)$$



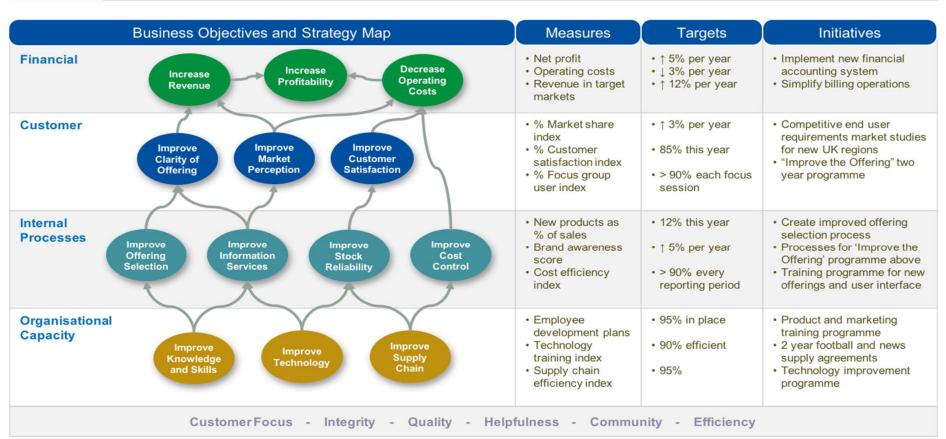




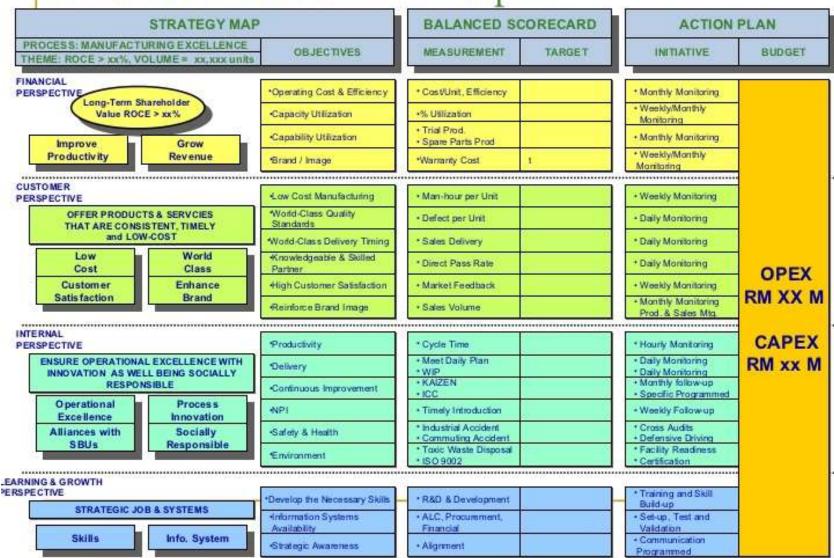




Vision	Transforming society through the provision of ultra-high speed mobile information services								
Mission	The number one provider of ultra-high speed mobile information networks across the United Kingdom and Europe								
Strategic Priority	Content Partnerships	Customer Service	Brand Awareness						
Strategic Result	Strong supply chain for entertainment and information services, exclusive agreements	Clarity in offering that surpasses anything in the market today, best user interface	Reinvigorated brand based on successes, attract a wider and younger audience						



Balanced Scorecard Example



ESC CCAC BALANCED SCORECARD

VARIANCE INDICATOR:

Meet or Exceeds Discuss/Review

Below Target

INDICATOR SOURCE:

M-SAA: Multi-sector Accountability Agreement

QIP: Quality Improvement Plan

ESC: CCAC Performance Indicator



Domain	Indicator	Baseline Performance	Target Performance	Target Justification and Comment(s)	Performance Corridor	Q1 (2016-17)	Q2 (2015-16)	Q3 (2015-16)	Q4 (2015-16)
Quality Patient Care	Goals and Objectives for Engaging with community to learn from the patient experience and deliver patient & family centred care [ESC]	2014/15 Q3/Q4 100%	≥90% of goals and objectivesontarget for completion	Goals and objectives should be achievable within suggested timeframes.	≥90% 80-89% <80%	92%	100%	100%	100%
	Goals and Objectives for Chronic Disease Management [ESC]	2014/15 Q3/Q4 100%	≥90% of goals and objectivesontarget for completion	Goals and objectives should be achievable within suggested timeframes.	\$9096 80-89% <80%	93%	84%	88%	88%
	Goals and Objectives for Partner of Choice in enhanced Care Coordination [ESC]	2014/15 Q3/Q4 100%	≥90% of goals and objectivesontarget for completion	Goals and objectives should be achievable within suggested timeframes.	>90% 80-89% <80%	86%	80%	100%	100%
	Ratio of Admitted Patients to Discharged Patients [ESC]	2014/15 1.00	= 1.0	Target set by CCAC as objective to support resource management.	<1,00_ 1,01-1,05 >1,05	1.03	.99	1.00	1.04
	Patient Satisfaction (Overall Experience rating on NRC Picker survey) [QIP]	2014/15 Q1/Q4 93.8	≥ 95.0%	Target to meet or exceed high performer in Province.	≥9596 93,2-94,9% ≤93,1%)	94.3%	94.3%	94.2%	94.2%
	Patient Risk (Falls) [QIP] / [MSAA]	2014/15 36.5%	≤30.6%	Target to meet or exceed high performer in Province.	<30.6% 30.7-35.7% >35.7%	36.9%	37.6%	39.2%	38.0%
	% of ALC days (closed cases) [MSAA]	2013/14 16.4%	≤15.3%	LHIN MSAA indicator and target (not set).	<15,3% 15,4%-16,3% ≥16,4%	16.6%	16.03%	Estimated availability date is Q1.	Estimated availability date is Q1.
	% of home care patients with unplanned, less urgent ED visit within first 30 days of discharge from hospital [QIP]	2013/14 Q2- 2014/15 Q1 7.9%	≤6.5%	Target to exceed provincial average.	≥6.5% 6.6-7.8% ≥7.9%	6.9%	7.7%	6.3%	Estimated availability is Q2.
	% of home care patients who experienced an unplanned readmit to hospital within 30 days of discharge from hospital [QIP]	2013/14 Q2- 2014/15 Q1 16.7	≤15.5%	Remain in top quartile in Provincial peer group.	15.6-16.6% > 16.7%	14.7%	15.7%	15.2%	Estimated availability is Q2.
	% patients receiving their first nursing visit within 5 days of discharge from community [QIP]	2014/15 93.1%	≥92.4%	Exceed provincial average. *QIP- baseline was not chosen, provincial average chosen.	>92.4% 90.1-92.3% <90.0%	93.5%	94.9%	91.4%	92.1%
	% patients receiving their first nursing visit within 5 days of referral from hospital [QIP]	2014/15 96.9%	≥95.2%	Exceed provincial average. *QIP- baseline was not chosen, provincial average chosen.	≥95/29 ₀ 94.2-95:1% <94.1%	96.6%	96.9%	96.9%	96.3%