

Safety Management

IN PRODUCTION PLANNING & CONTROL

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11th Week: Proactive Safety Management & Risk Assessment

Strategies

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graph TD; A[Strategies] --- B[REACTIVE]; A --- C[PROACTIVE]; A --- D[PREDICTIVE]
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The diagram illustrates a classification of strategies. At the top level is the word 'Strategies'. A horizontal line extends from the bottom of this box, with three vertical lines connecting it to three separate boxes below. These boxes are labeled 'REACTIVE', 'PROACTIVE', and 'PREDICTIVE' from left to right. All boxes are orange with white text and white borders.

REACTIVE

PROACTIVE

PREDICTIVE



This week...

PREDICTIVE METHODS

SAFETY PERFORMANCE
INDICATORS

To manage something...

- Temperature and humidity of a warehouse...
- Insulin level of a diabetic person...
- Success of a student...



Key performance indicators

Monitoring weight

Acceptable (target)	Tolerable (Alert Level)	Unacceptable

Calori Intake

Acceptable (target)	Tolerable (Alert Level)	Unacceptable

Key performance indicators

How to manage debt?

Acceptable (target)	Tolerable (Alert Level)	Unacceptable

Expenditures

Acceptable (target)	Tolerable (Alert Level)	Unacceptable

Example SPIs: Part M (CAMO)



Safety Indicators

Nr.	ID	Category	SPI				
			Name	Description	Acceptable (target)	Tolerable (alert level)	Not Acceptable
1	ACC	Operational	Accidents	Accidents due to maintenance, p/Y	0	>0	1
2	TIR	Operational	TIR	Technical Incident Reports, p/10 ⁶ FH, Curr	<1	1-2	>2
3	ISD	Operational	IFSD	Engine Inflight Shutdowns, p/10 ⁴ FC, Curr	<1	1-2	>2
4	MEL	Operational	MEL Extensions	Requested extensions for MEL items, p/Y	<10	10-13	>13
5	ADI	Operational	AD Irregularities	Airworthiness Directives irregularities, p/Y	<1	1-2	>2
6	RSK	Operational	Risk Level	Average risk level determined for all occurrences, Curr	Low	Minimal	>Minimal
7	UER	Maintenance	Engine Removals	Unscheduled Engine Removals, p/Y	<2	2	>2
8	CON	Maintenance	Convenience Removals	Component removals for convenience, p/Q	<80	80-100	>100
9	EEF	Maintenance	Emergency Equipment Failures	Failures in emergency equipment during programmed tests, p/Q	<2%	2%-5%	>5%
10	VOR	Operational	Voluntary Reports	Voluntary Occurrence Reports, p/Y	>80	60-80	<60

Determine:

- Performance indicators
- Measurement periods
- Targets and alarm levels (yellow alert & red alert)

Identify indicators:

1. Own safety library
 - Accident, Incident and Occurences
 - Audit Findings
2. Proactive Actions
 - Hazard reportings
 - Meetings
 - Others' experiences
 - Published reports and lists

Periods and alert levels...

How do we determine?

1. Nature of incident
2. Complexity of company

Hours of
utilization

Number of
events

Time period
(day, week or
month?)

Is it over?

- TAKİP ETMELİYİZ
- GÖZDEN GEÇİRMELİYİZ

Thank you

