# SMART CARD CARD QUALITY MANAGEMENT ( CQM )





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**CQM (Card Quality Management )**adalah bagian dari Proses Persetujuan MasterCard .

Sebuah MasterCard «Sertifikasi» dikeluarkan untuk chip kartu atau vendor perangkat untuk setiap kartu chip atau perangkat yang telah berhasil menyelesaikan semua hal berikut:

- 1. Pengujian Aplikasi (IAT)
- 2. Penilaian Kepatuhan dan Pengujian Keamanan (CAST)
- 3. Kartu Manajemen Mutu (CQM).

# 1.CQM itu similar / Mirip dengan ISO9001

jika bicara ISO9001 (Dokumentasi) mudahnya adalah apa-apa yang sudah dilakukan saat ini baik secara administrative ataupun diproses pembuatan produk.

#### Contoh Aplikasi di pekerjaan:

- a.Kerja mengikuti WPI/Prosedur yang sudah ada,
- b.Memberikan identifikasi pada proses pembuatan produk misalknya lot sheet dll,
- c.Proses Spesifik sesuai apa yang diminta untuk produk SmartCard.

# 2.CQM itu similar / Mirip dengan TS16949

#### mudahnya misalnya:

- a.kerja mengikuti Control Plan atau PCC,
- b.melakukan analisa dengan FMEA (engineering),
- c.ada control terhadap Critical Point product atau proses misalnya dengan SPC.

# 3. Adanya physical control

#### Mudahnya misalnya:

a. Zero Balance

Jumlah material antara Data dan aktual harus sama dan cocok

#### 4.Pembatasan Akses

Pembatasan dan pendataan akses pekerja, hanya orang-orang tertentu dan teregistrasi yang bisa masuk atau melakukan proses produksi.

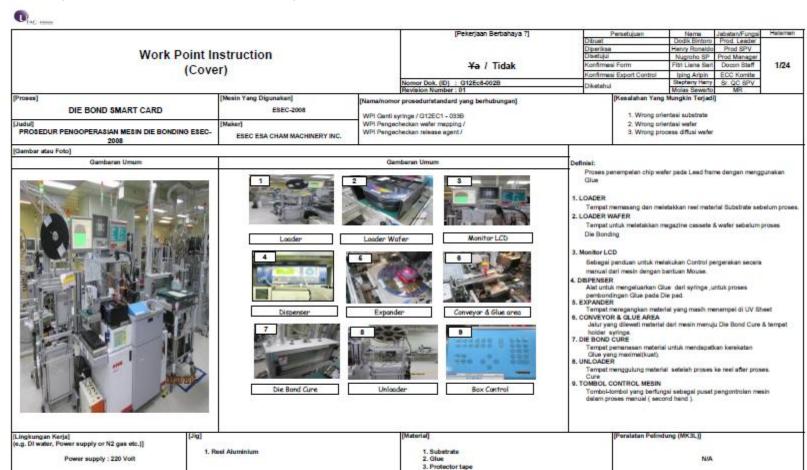
# 5. Competency terkait Qualifikasi

Pekerja / operator memiliki Qualifikasi untuk melakukan proses Material

# 6.Pemenuhan spesifikasi-spesifikasi produk sesuai standard SmartCard product.

Produk yang dibuat dan dihasilkan harus sesuai dengan Spesifikasi yang telah ditetapkan untuk material Smart Card

#### 1.WPI (Work Point Intruction)



## 2.Lotsheet

CONTROL	: @129	K-084A					LOT SHEET	SMARTCARD				
Process Traveler												
LOT ID: LT220	15A120	0003	*LT22C	15A120	003*		PO NO:					
Lot Type	:EL				Packs	rge Type	:Contact 6					
Prod Mode	:ENGI	NEERING			Devic	*	#SA00259U11E-	365				
PART CATEG	ORY					ON						
Customer Freduct Family		:153 :SMART 0	ARD			Order# Order#	:SAMP1502					
Product Grade			U11E-365			t Lot No	:UAAU0001.1					
Packing Type		:1			Lat Of	py.	: 8940					
Bom No UTAC Package		:TAPE and :Contact (			Water	Slice						
						• Lot ID	:AA960001.1					
						ype	:FULL_TURNICE	Y				
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			Comme		Cust u	inique ID	:30/10/2015 1	2:00:00AM				
Wafer Map Bin No		:1										
Wafer Size		:0										
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Net Die per wafer		:9000										
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Mark Id		- Common										
Stamping Code		=			Curt 0	D/P (CPN)	:ISA00259U11I	1-365				
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Input Oby												
Chip Rest												
Ink / Bad Die Oty	r											
Bad Die Pick up												
Remarks												

Tuesday,september29,2015

STRICTLY PROPRIETARY

page 1 of 6

## 2.Control Plan

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