

To: Ashley Bong [REDACTED]
Cc: James Huang [REDACTED]; Sandy Assaf [REDACTED]; Justin Butler [REDACTED]
From: Aaron Garrity [REDACTED]
Sent: Thur 2021/06/24 10:37:02 AM (UTC+10:00)
Subject: RE: VCGLR Systems Assurance - Crown - DACOM Initial Audit 2021 - DI02 Data Transfer

Hi Ashley,
Please see below in red.
Kind Regards,



Aaron Garrity | Senior IT Governance Officer

IT Governance

Crown Resorts Limited

P: [REDACTED]

Email: [REDACTED]

From: Ashley Bong [REDACTED]
Sent: Wednesday, 16 June 2021 9:23 AM
To: Aaron Garrity [REDACTED]
Cc: James Huang [REDACTED]; Sandy Assaf [REDACTED]; Justin Butler [REDACTED]
Subject: VCGLR Systems Assurance - Crown - DACOM Initial Audit 2021 - DI02 Data Transfer

Hi Aaron,

I cannot decrypt the files provided for DI02.

These files are encrypted as part of the secure transfer process, you shouldn't be able to decrypt them without access to the passcode held by the VCGLR.

Could you please confirm if the following data files are sent to VCGLR:

- a. CDF (Casino Chip Daily Financial) – This is from SYCO.
- b. DJE (Daily EGM's in Jackpot Configuration) **DACOM**
- c. EFC (EGM Financial Casino) **DACOM**
- d. GER (Gaming Equipment Reconciliation) **DACOM**
- e. JCF (Daily Jackpot Configuration) **DACOM**
- f. JCM (Monthly Jackpot Configuration) **DACOM**
- g. TAG (Casino Table Daily Financial) – This is from SYCO
- h. CBP (Commission based EGM Play) **DACOM**

We can confirm that the above files are sent to the VCGLR via either DACOM or SYCO.

Are there any other data files sent to VCGLR missing or no longer relevant from the list above?

Additional to the above the Melbourne Gaming Systems team emails a further three files to the VCGLR weekly each Tuesday. The files are:

*DIRLIST – A directory listing of the Translator Codeimages folder
Gameanl - Game Analysis report*

Siganl - Signature Analysis report

These additional files are for compliance purposes rather than financial reporting of systems and machines.

Please note that the above are reports that GSS (Gaming System Support) has direct oversight of. If there are any other reports supplied by other departments to the VCGLR (eg: Finance or Compliance) they have not been included in this list.

Is there a procedure or related documentation (including definition of these files) pertaining to the above files and transferring it to VCGLR? – I can't seem to locate this in the MIS SOP.

There are no SOPs for the above reports as they are created by automated system processes that directly supply the output files to the VCGLR.

The below tables provides data definition and structure for each of the reports supplied to the VCGLR:

SYCO FILES:**CDF file:**

Column	Description
Date	Gaming Date
Chip Type	Chip Type
Drop	Total Drop
Chips Redeemed	Chips redeemed into fill bank
Jackpot	Jackpots
Actual Win	Closer - Opener + Credits - Fills + Drop - Tickets Issued
Openers	Chip Accountability Opener
Closers	Chip Accountability Closer
Turnover	Turnover
Commission Paid	Program Commission Total
Rebate	Rebate-on-loss paid
Tickets Redeemed	Total of redeemed tickets
WAT Out	PokerPro "WAT Out" Figure

TAG file:

Column	Description
Date	Gaming Day
Pit	Two-digit pit
Table	Two-digit table
Game	Game Type

Sub Game	Sub Game Type. If subgame code is the same as the game code, this is blank
Chip Type	cmcrct#
Opener	Table Opener
Total Drop	Total drop figure
Fills	Total fills
Jackpot	Jackpots
Credits	Total credits
Closer	Table Closer
Actual Win	Closer - Opener + Credits - Fills + Drop - Tickets Issued
Tickets Issued	Tickets Issued, applicable to RR/RR and AR/TR only
WAT Out	Poker Pro "WAT Out" figure for game type of PE only
Tickets Redeemed	Total of redeemed tickets

DACOM FILES:

JCF – jackpot Configuration

For Non-MMJ Jackpots:

<u>Column</u>	<u>Description</u>
link_code	Jackpot config code entered by GM Tech managers. EG: LIGLNI
link_lvl_desc	Jackpot config code description entered by GM Tech managers
link_type	Jackpot type. EG: LKPRG (Link Progressive), LKMYS(Link Mys
rep_date	Trading date
num_mac	Number of EGM devices attached to that jackpot code
sign_min	Minimum value of the Jackpot sign
sign_max	Maximum value of the Jackpot sign
inc_pct	Jackpot increment percentage.
prize_type	Variable or Fixed. Prize type is dependent on the payout type. etc are Fixed
prize_value	Value of the Prize.
ggr_pct	Can contain jackpot increment percentage, startout, hidden, si
link_startout	Startout value of the jackpot.

tot_tro	Total Turnover contributed to the jackpot from attached device
num_hits	Number of hits (wins) the jackpot has had.
hit_amt	Winning value of the jackpot
start_date	Start date of the jackpot configuration.

For MMJ Jackpots:

<u>Column</u>	<u>Description</u>
jkp_code	Jackpot config code entered by GM Tech managers. EG: MMJ
jkp_desc	Jackpot config code description entered by GM Tech managers
"MMJ" # link type	Can only be set as MMJ.
rep_date	Trading Date
num_macs	Number of EGM devices attached to that jackpot code
sign_startout	Minimum value of the Jackpot sign
sign_max	Maximum value of the Jackpot sign
ggr_pct	EGM increment percentage plus the EGM startout percentage
prize_type	Always set to Variable
prize_value	Always set to Zero.
ggr_pct	Listed twice. Same as ggr_pct description above for MMJ.
sign_startout	Minimum value of the Jackpot sign
tot_tro	Total Turnover contributed to the jackpot from attached device
num_hits	Number of hits (wins) the jackpot has had.
hit_amt	Winning value of the jackpot
start_date	Start date of the jackpot configuration

DJE – Daily Jackpot Export:

<u>Column</u>	<u>Description</u>
link_code	Jackpot config code entered by GM Tech managers. EG: LIGLNI
rep_date	Trading date
ser_no	Physical device number on EGM
fl_loc	Floor location of device

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JCM – Jackpot Configuration Monthly:

<u>Column</u>	<u>Description</u>
link_code	Jackpot config code entered by GM Tech managers. EG: LIGLNI
link_lvl_desc	Jackpot config code description entered by GM Tech managers
link_type	Jackpot type. EG: LKPRG (Link Progressive), LKMYS(Link Mys
rep_from_date	Start date of the report.
num_mac	Number of EGM devices attached to that jackpot code
sign_min	Minimum value of the Jackpot sign
sign_max	Maximum value of the Jackpot sign
inc_pct	Jackpot increment percentage.
prize_type	Variable or Fixed. Prize type is dependent on the payout type. etc are Fixed
prize_value	Value of the Prize. Can contain jackpot increment percentage, :
link_startout	Startout value of the jackpot.
tot_tro	Total Turnover contributed to the jackpot from attached devic
num_hits	Number of hits (wins) the jackpot has had
hit_amt	Winning value of the jackpot
start_date	Start date of the jackpot configuration.
retired_date	Retired date of the jackpot configuration.

EFC – EGM Financial Checking also known as Daily Revenue Download Report:

<u>Column</u>	<u>Description</u>
rep_date	Date of the report
floor_loc	Device floor location EG: A0101
serial_no	Serial number for the floor location
manufacturer	Manufacturer of the floor location
tro_inc	Turnover Increment
crw_inc	Credit Wins (Game Wins) increment
tci_inc	Coin In increment

bills_in_inc	Notes entered increment
cti_inc	Cashless In.
tco_inc	Coin Out Increment
ccr_inc	Cancel Credits
cto_inc	Cashless Out
ext_crd_inc	Existing Credit Increment (Amount of Credits on EGM when E
bon_hpy_inc	Bonus Handpay. Handpaid jackpots. Includes jackpots above \$
bon_win_inc	Bonus Win (Any bonus paid direct to the credit meter. This ca
prog_startout + myst_startout	Total progressive and mystery jackpot startout value for the E
prog_inc	Increment percentage of configured progressive jackpots for t
tmyst_inc	Increment percentage of configured mystery jackpots for that
jkp_mon	Jackpots paid to that EGM
non_jkp_bonus	Non Jackpot bonusing. Eg: Dining Rewards, Promo tickets etc.
tti_inc	Ticket In meter
tto_inc	Ticket Out meter

GER – Gaming Electronic Report also known as Machine Configuration Report

<u>Column</u>	<u>Description</u>
"1002"	Hardcoded value in the report.
conf_date	GER configuration date. EG: Date an EGM change occurred
"DACOM"	Hardcoded value in the report
serial_no	EGM Serial number
floor_loc	EGM floor location. EG: A0101
model_id	EGM cabinet model id. Model ID is on the Govt Approval for the cabinet
vcga_id	Government approval number for the game
function_ind	Determines if EGM was placed into Game Enabled state at time of GER r
act_code_1 through to act_code_10	Activity codes defined by the government to determine what changes o
func_time	Displays time when EGM was placed into Game Enabled state after re-co
spec_area	Restricted or UnRestricted as defined in the EGM configuration screen i
soft_age	If the EGM is in a specified area eg: RSG is unrestricted, the value is set t its set to "N"

CBP – Program Player Revenue

Detail mode report

<u>Column</u>	<u>Description</u>
ctype_code	Program Players card type
member_id	Member ID of the patron
card_in_dttm	Date & Time of the Card In
card_out_dttm	Date & Time of the Card Out
playtime_prnt	Total playtime of the player rating
hit_count	Total Jackpot hits won during the player rating
floor_loc	Floor location for the rating
denom	Denomination of the floor location
tro_inc	Turnover of the player for that player rating
crw_inc	Total Credit Wins (Game Wins) for the player during the player rating
jkps_startout	Startout values of jackpots that the player participated in during the rating
jkps_incr	Increment values of jackpots that the player participated in during the rating
bon_jkps	Bonus Jackpots = Bonus Wins plus Bonus Handpays minus Jackpot trials
Net_rev	Net revenue for the player during the player rating

What script is used to generate and then email these files to VCGLR? Is this script part of DACOM code and baselined?

The functions executed to create the DACOM reports listed below are part of the DACOM baseline.

DJE = dailyjpk_g.42r

EFC = dailyrev_g.42r

GER = vcgager_g.42r

JCF = dailyjpk_g.42r

JCM = dailyjpk_g.42r

CBP = plyrev3_g.42r

Encryption and transfer of the report output is done by separate scripts `"/sysEMS/app/scripts/govtjpkfilexfer.sh"` and `"/sysEMS/app/scripts/vcgafilexfer.sh` and `/util/OGRExport"` which do not form part of the baseline system

On the SyCo host, the reports are generated by the script `/exports/dumps/vcgadaily/cmvcgaax.p` which is not baselined

Transferring the encrypted output to the VCGLR is by script `/Util/OGRExport` which is not baselined

Regards,

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