



## INDICADORES DE DISPONIBILIDAD

### F2\_7\_DISP\_ELEMENTO\_RED\_CENTRAL- ENERO DE 2020

| ANNO | MES | UBICACION_ELEMENTO_RED | IDENTIFICACION_ELEMENTO | ELEMENTO_RED | MARCA_MODELO           | REDUNDANCIA | ID_TIPO_REDUNDANCIA | PORCENTAJE_CARGA_ASUMIDA | TIEMPO_INDISPONIBILIDAD | PORCENTAJE_DE_DISPONIBILIDAD |
|------|-----|------------------------|-------------------------|--------------|------------------------|-------------|---------------------|--------------------------|-------------------------|------------------------------|
| 2020 | 1   | 5001                   | HSSNMGA11               | 111          | HP/CMS-8200            | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | HSSNMGA12               | 111          | HP/CMS-8200            | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | HSSNMGA13               | 111          | HP/CMS-8200            | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga21               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga22               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga23               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga24               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga25               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga26               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga27               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga28               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga29               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga30               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga31               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga32               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga33               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga34               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | hfenmga35               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | MED-CGP-AGCF            | 110          | Huawei/N               | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | MED-CGP-IMS             | 110          | Huawei/N               | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | SMSCVCMG                | 106          | Huawei/E9000 VAS CLOUD | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | MED-CGP-HSS             | 110          | Huawei/HSS9860         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | MED-CGP-MSOFTX          | 110          | HUAWEI/MSOFTX3000      | S           | 5                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | UMG-MED-ESTADIO01       | 110          | Huawei/NA              | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | GGSN01MED               | 105          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | SAE01MEG-SGW            | 108          | Huawei/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | SAE01MEG-PGW            | 109          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | IMS_UMG02_ESTADIO       | 110          | Huawei/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | UMG-MED-SANDIEGO01      | 110          | Huawei/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | MSSMGA01                | 101          | NOKIA/ATCA             | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 5001                   | SGS01MGA                | 104          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | SGS02MED                | 104          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | MME01MGA                | 107          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 5001                   | MSS02MED                | 101          | NOKIA/DX200            | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 5001                   | MSS03MED                | 101          | NOKIA/DX200            | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 5001                   | MSS04MED                | 101          | NOKIA/DX200            | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 5001                   | MSS05MED                | 101          | NOKIA/DX200            | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 5001                   | MSS06MED                | 101          | NOKIA/DX200            | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 8001                   | HSSNALK11               | 111          | HP/CMS-8200            | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | HSSNALK12               | 111          | HP/CMS-8200            | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | HSSNALK13               | 111          | HP/CMS-8200            | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk21               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk22               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk23               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk24               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk25               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk26               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk27               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk28               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk29               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk30               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |



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|------|-----|------------------------|-------------------------|--------------|----------------|-------------|---------------------|--------------------------|-------------------------|------------------------------|
| 2020 | 1   | 8001                   | hfenalk31               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk32               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk33               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk34               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | hfenalk35               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | GGSN02ALK               | 105          | HUAWEI/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | GGSN04ALK               | 105          | HUAWEI/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | SAE01ALK-SGW            | 108          | Huawei/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | SAE03ALK-SGW            | 108          | Huawei/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | SAE01ALK-PGW            | 109          | HUAWEI/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | SAE03ALK-PGW            | 109          | HUAWEI/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | IMS_UMG01_BQA_BOSTON    | 110          | Huawei/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | UMG-BAR-WTC01           | 110          | Huawei/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | MSSALK01                | 101          | NOKIA/ATCA     | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 8001                   | SGS01ALK                | 104          | NOKIA/ATCA     | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | MME01ALK                | 107          | NOKIA/ATCA     | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 8001                   | MSS01ALK                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 8001                   | MSS01BAR                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 8001                   | MSS02ALK                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 8001                   | MSS03BAR                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 8001                   | MSS04BAR                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP11                   | 103          | HP DL360p Gen8 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP12                   | 103          | HP DL360p Gen8 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP13                   | 103          | HP DL360p Gen8 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP14                   | 103          | HP DL360p Gen8 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP15                   | 103          | HP DL360p Gen8 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP16                   | 103          | HP DL360p Gen8 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP17                   | 103          | HP DL360p Gen8 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP1                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP18                   | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP19                   | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP2                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP20                   | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP21                   | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP22                   | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP3                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP4                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP5                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP6                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP7                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP8                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | SDP9                    | 103          | HP DL360p Gen9 | S           | 1                   | 97                       | 0                       | 100                          |
| 2020 | 1   | 11001                  | HSSNTRI11               | 111          | HP/CMS-8200    | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | HSSNTRI12               | 111          | HP/CMS-8200    | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | HSSNTRI13               | 111          | HP/CMS-8200    | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri21               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri22               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri23               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri24               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri25               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri26               | 102          | HP/NT HLR      | S           | 1                   | 100                      | 0                       | 100                          |



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### F2\_7\_DISP\_ELEMENTO\_RED\_CENTRAL- ENERO DE 2020

| ANNO | MES | UBICACION_ELEMENTO_RED | IDENTIFICACION_ELEMENTO | ELEMENTO_RED | MARCA_MODELO           | REDUNDANCIA | ID_TIPO_REDUNDANCIA | PORCENTAJE_CARGA_ASUMIDA | TIEMPO_INDISPONIBILIDAD | PORCENTAJE_DE_DISPONIBILIDAD |
|------|-----|------------------------|-------------------------|--------------|------------------------|-------------|---------------------|--------------------------|-------------------------|------------------------------|
| 2020 | 1   | 11001                  | hfentri27               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri28               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri29               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri30               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri31               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri32               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri33               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri34               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | hfentri35               | 102          | HP/NT HLR              | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | BOG-CGP-AGCF            | 110          | Huawei/N               | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | BOG-CGP-IMS             | 110          | Huawei/N               | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | BOGII-CGP-AGCF          | 110          | Huawei/N               | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SMSCVCTRI               | 106          | Huawei/E9000 VAS CLOUD | S           | 1                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | BOG-CGP-HSS             | 110          | Huawei/HSS9860         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | BOG-CGP-MSOFTX          | 110          | HUAWEI/MSOFTX3000      | S           | 2                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | TMX_BOG_SOFTX01         | 110          | Huawei/SoftX3000       | S           | 2                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | TMX_SOFTX02_BOG         | 110          | Huawei/SoftX3000       | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | GGSN01TRI               | 105          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | GGSN03VEN               | 105          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | GGSN04VEN               | 105          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE01VEN-SGW            | 108          | Huawei/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE02ARA-SGW            | 108          | Huawei/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE02TRI-SGW            | 108          | Huawei/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE03TRI-SGW            | 108          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE04TRI-SGW            | 108          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE05TRI-SGW            | 108          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE01VEN-PGW            | 109          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE02ARA-PGW            | 109          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE02TRI-PGW            | 109          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE03TRI-PGW            | 109          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE04TRI-PGW            | 109          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SAE05TRI-PGW            | 109          | HUAWEI/UGW9800         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | IMS_UMG02_SUBA          | 110          | HUAWEI/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | UMG-BOG-ORTEZAL01       | 110          | Huawei/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | UMG-BOG-SUBA01          | 110          | Huawei/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | UMG-BOG-TRIARA01        | 110          | Huawei/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | UMG-BOG-TRIARA02        | 110          | Huawei/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | UMG-BOG-TRIARA03        | 110          | HUAWEI/UMG8900         | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSSARA01                | 101          | NOKIA/ATCA             | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSSPRA01                | 101          | NOKIA/ATCA             | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSSTRI01                | 101          | NOKIA/ATCA             | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSSVEN01                | 101          | NOKIA/ATCA             | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | SGS01TRI                | 104          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SGS02PRA                | 104          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SGS02TRI                | 104          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SGS02VEN                | 104          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | SGS03PRA                | 104          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | MME01TRI                | 107          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | MME01VEN                | 107          | NOKIA/ATCA             | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS01TOB                | 101          | NOKIA/DX200            | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS01VEN                | 101          | NOKIA/DX200            | N           |                     | 0                        | 0                       | 100                          |



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|------|-----|------------------------|-------------------------|--------------|----------------|-------------|---------------------|--------------------------|-------------------------|------------------------------|
| 2020 | 1   | 11001                  | MSS02ARA                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS02FON                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS02TOB                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS02VEN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS03ARA                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS03PRA                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS03VEN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS04ARA                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS04VEN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS05ARA                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS05VEN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS06ARA                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS06VEN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS07ARA                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 11001                  | MSS07VEN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 13001                  | MSS01CAR                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 13001                  | MSSMAR01                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 52001                  | MSS01PAS                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 66001                  | IMS_UMG01_PEREIRA       | 110          | HUAWEI/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 66001                  | UMG-PER-CENTRO01        | 110          | Huawei/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 66001                  | MSSPER01                | 101          | NOKIA/ATCA     | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 66001                  | SGS01PER                | 104          | NOKIA/ATCA     | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 66001                  | MSS01PER                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 66001                  | MSS02PER                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 66001                  | MSS03PER                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 68001                  | IMS_UMG01_RICAURTE      | 110          | Huawei/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 68001                  | UMG-BUC-DANN01          | 110          | Huawei/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 68001                  | MSSBUC01                | 101          | NOKIA/ATCA     | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 68001                  | MSS01BUC                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 68001                  | MSS02BUC                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 68001                  | MSS03BUC                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 70001                  | SGS01SIN                | 104          | NOKIA/ATCA     | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 70001                  | MME01SIN                | 107          | NOKIA/ATCA     | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 70001                  | MSS01SIN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 70001                  | MSS02SIN                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 76001                  | CAL-CGP-AGCF            | 110          | Huawei/N       | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 76001                  | GGSN02ING               | 105          | HUAWEI/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 76001                  | SAE03ING-SGW            | 108          | Huawei/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 76001                  | SAE03ING-PGW            | 109          | HUAWEI/UGW9800 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 76001                  | IMS_UMG01_ERMITA        | 110          | Huawei/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 76001                  | UMG-CAL-FLORA01         | 110          | Huawei/UMG8900 | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 76001                  | MSSING01                | 101          | NOKIA/ATCA     | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 76001                  | MME01ING                | 107          | NOKIA/ATCA     | S           | 3                   | 100                      | 0                       | 100                          |
| 2020 | 1   | 76001                  | MSS01ING                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 76001                  | MSS02CAL                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 76001                  | MSS03CAL                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 76001                  | MSS04CAL                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |
| 2020 | 1   | 88001                  | MSS01SAI                | 101          | NOKIA/DX200    | N           |                     | 0                        | 0                       | 100                          |