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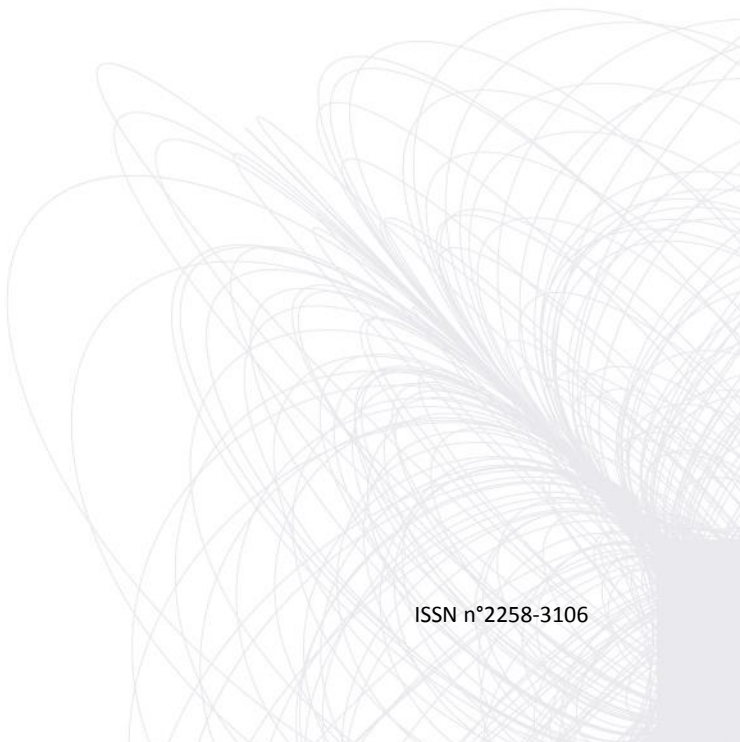
RÉPUBLIQUE FRANÇAISE

# MOBILE SERVICES

4<sup>TH</sup> QUARTER 2019

## ELECTRONIC COMMUNICATIONS MARKET OBSERVATORY

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The quarterly figures relating to the sales turnover and traffic are published three months after the end of the quarter within the [telecommunications observatory in France](#). Except opposite mention, indicators are in millions of units

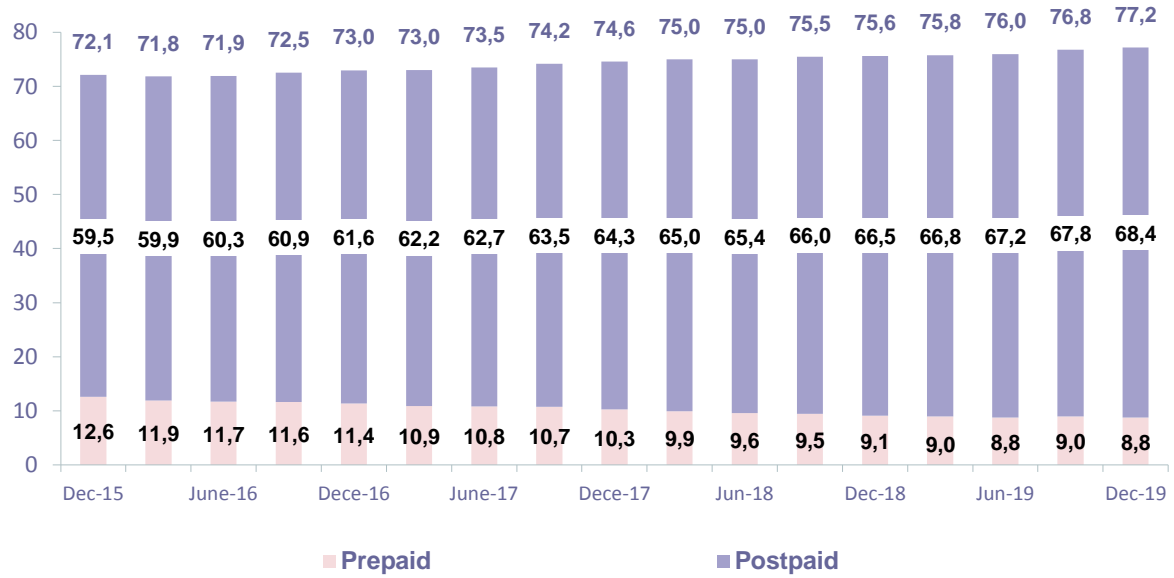
## A - Mobiles services market - MtoM SIM cards excluded

### I. NATIONAL REPORT - total customers and active customers

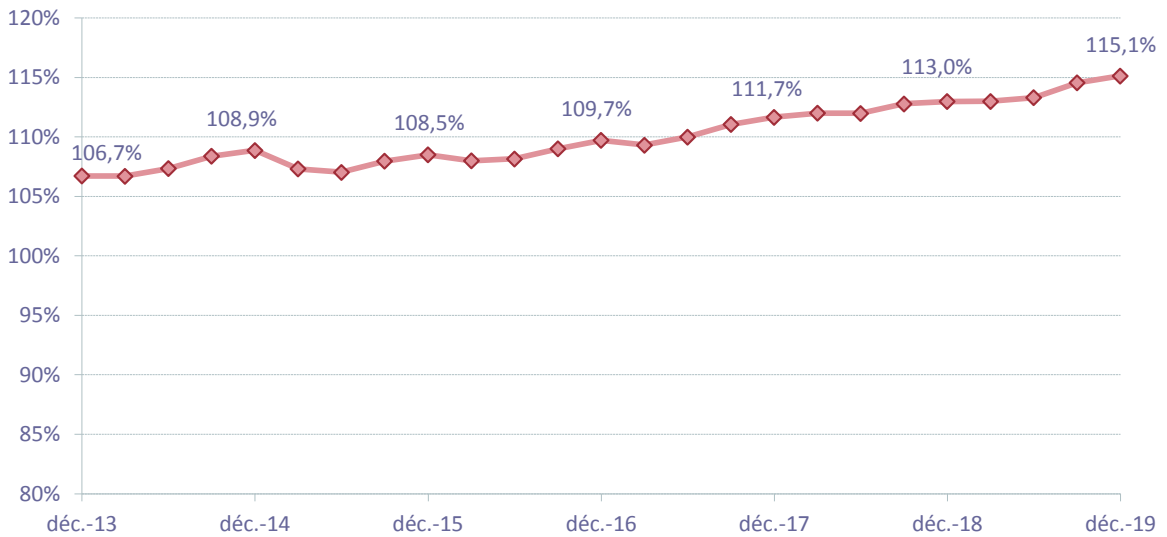
	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total customers</b>	<b>75,630</b>	<b>75,762</b>	<b>75,965</b>	<b>76,803</b>	<b>77,187</b>
- Quarterly Net Adds	0,126	0,133	0,203	0,838	0,383
- Year on year net growth (in %)	1,4%	1,1%	1,3%	1,7%	2,1%
<b>Penetration Rate</b>	<b>113,0%</b>	<b>113,0%</b>	<b>113,3%</b>	<b>114,6%</b>	<b>115,1%</b>
<i>Population at January the 1<sup>st</sup> of previous year (source: Insee)</i>	66,941	67,045			
<b>Postpaid customers</b>	<b>66,538</b>	<b>66,808</b>	<b>67,195</b>	<b>67,832</b>	<b>68,408</b>
- Quarterly Net Adds	0,511	0,271	0,387	0,637	0,575
- Year on year net growth (in %)	3,4%	2,7%	2,7%	2,7%	2,8%
<b>Prepaid customers</b>	<b>9,092</b>	<b>8,954</b>	<b>8,770</b>	<b>8,971</b>	<b>8,779</b>
- Quarterly Net Adds	-0,383	-0,138	-0,184	0,201	-0,192
- Year on year net growth (in %)	-11,4%	-9,9%	-8,2%	-5,3%	-3,4%
	<b>Dec-18</b>	<b>Mar-19</b>	<b>Jun-19</b>	<b>Sept-19</b>	<b>Dec-19</b>
<b>Total active customers</b>	<b>73,484</b>	<b>73,568</b>	<b>74,018</b>	<b>74,751</b>	<b>75,087</b>
- as a % of total customers	97,2%	97,1%	97,4%	97,3%	97,3%
- Quarterly Net Adds	0,402	0,084	0,451	0,733	0,335
- Year on year net growth (in %)	2,0%	1,3%	1,9%	2,3%	2,2%

### Number of national SIM cards (MtoM cards excluded)

in millions



### Mobile penetration rate in France



## II. METROPOLITAN REPORT

### II.1 Total customers segmentation and total active customers (excluding MtoM SIM cards)



Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
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Total customers	73,022	73,145	73,350	74,189	74,570
among which Internet SIM cards	3,369	3,281	3,290	3,296	3,285
- Quarterly Net Adds	0,110	0,123	0,205	0,839	0,381
- Year on year net growth (in %)	1,4%	1,1%	1,4%	1,8%	2,1%

Penetration Rate	112,8%	112,9%	113,2%	114,5%	115,1%
Population at January the 1 <sup>st</sup> of previous year (source: Insee)	64,725	64,812			

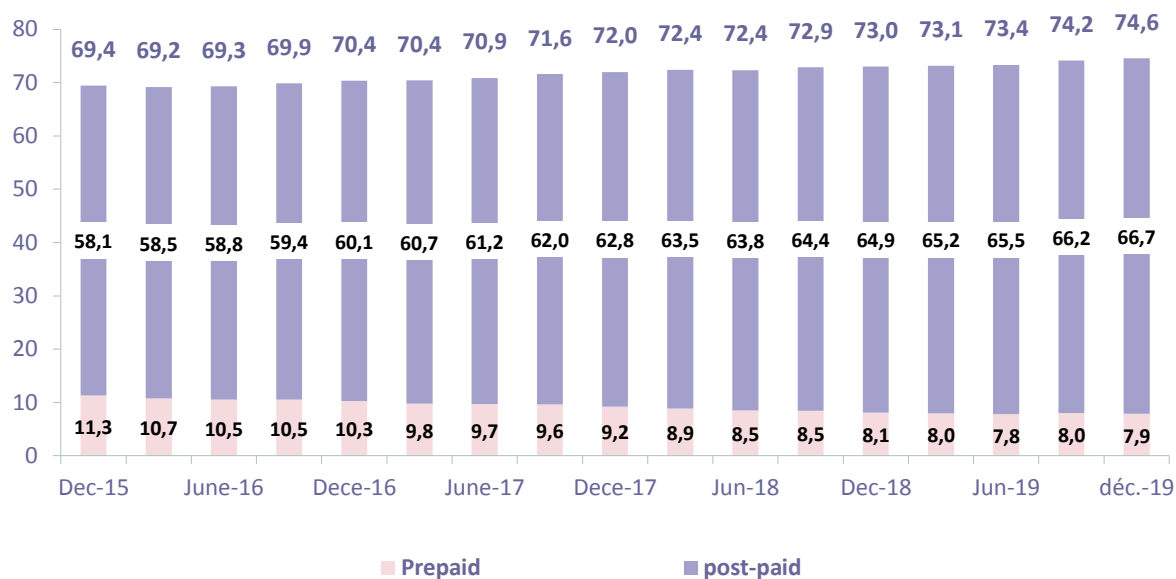
Postpaid customers	64,923	65,175	65,545	66,158	66,707
among which Internet SIM cards	2,875	2,842	2,852	2,849	2,840
- Quarterly gross sales	3,442	2,989	2,781	3,160	3,258
- Quarterly Net Adds	0,488	0,252	0,370	0,613	0,549
- Year on year net growth (in %)	3,4%	2,7%	2,7%	2,7%	2,7%

Prepaid customers	8,099	7,970	7,805	8,031	7,863
among which Internet SIM cards	0,495	0,439	0,438	0,447	0,445
- Quarterly gross sales	2,010	1,754	2,091	2,379	2,193
- Quarterly Net Adds	-0,376	-0,129	-0,165	0,226	-0,169
- Year on year net growth (in %)	-12,0%	-10,4%	-8,6%	-5,2%	-2,9%

Total active customers	71,142	71,222	71,671	72,399	72,712
- as a % of total customers	97,4%	97,4%	97,7%	97,6%	97,5%
- Quarterly Net Adds	0,387	0,080	0,449	0,728	0,313
- Year on year net growth (in %)	2,1%	1,4%	2,0%	2,3%	2,2%

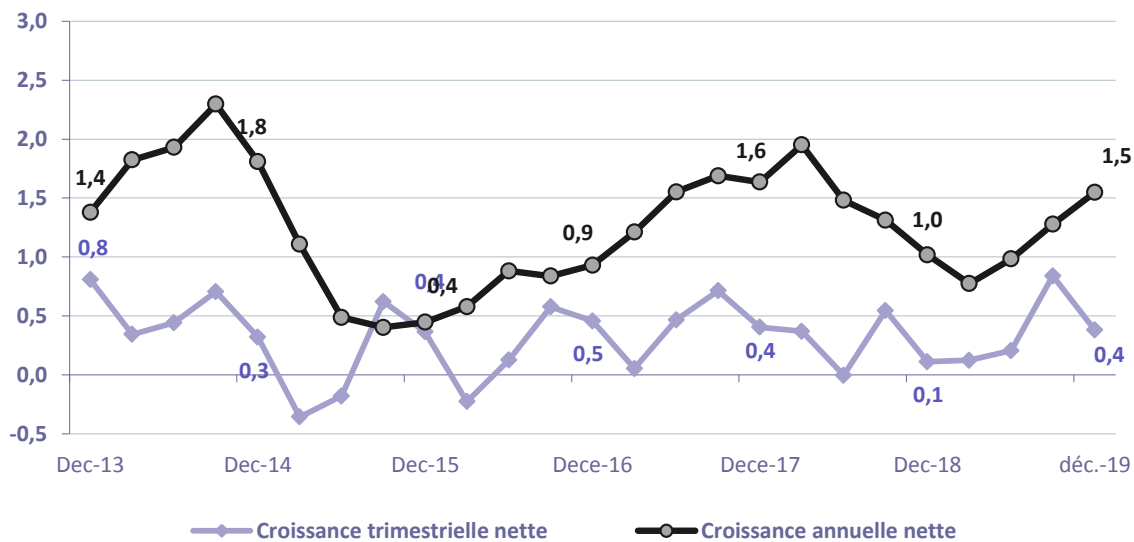
### Number of metropolitan SIM cards

in millions



### Net quarterly and annual growths of the total metropolitan customers (MtoM cards excluded)

in millions



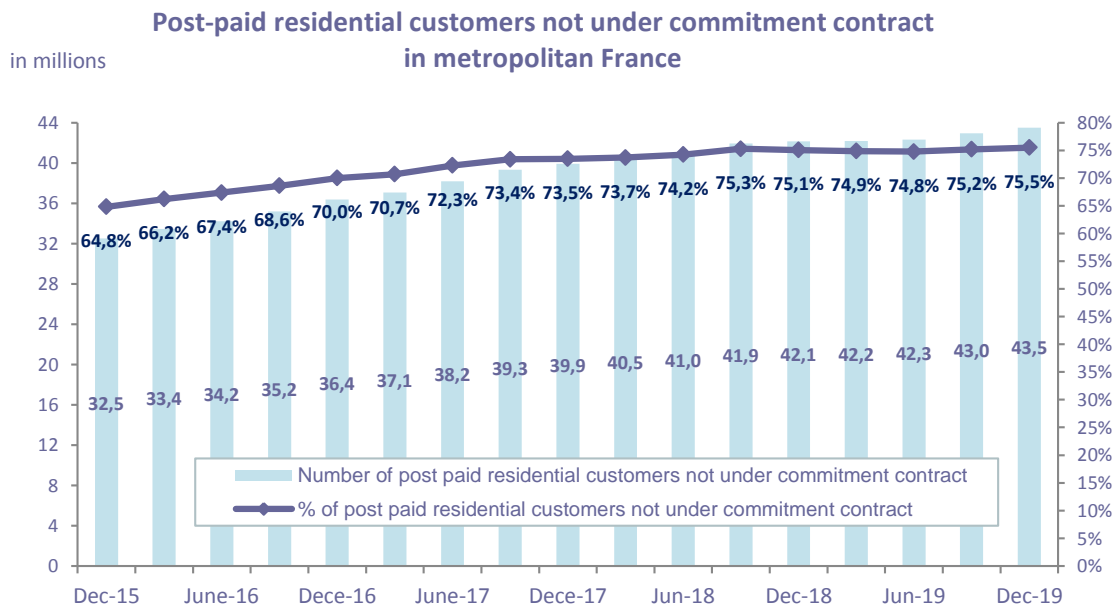
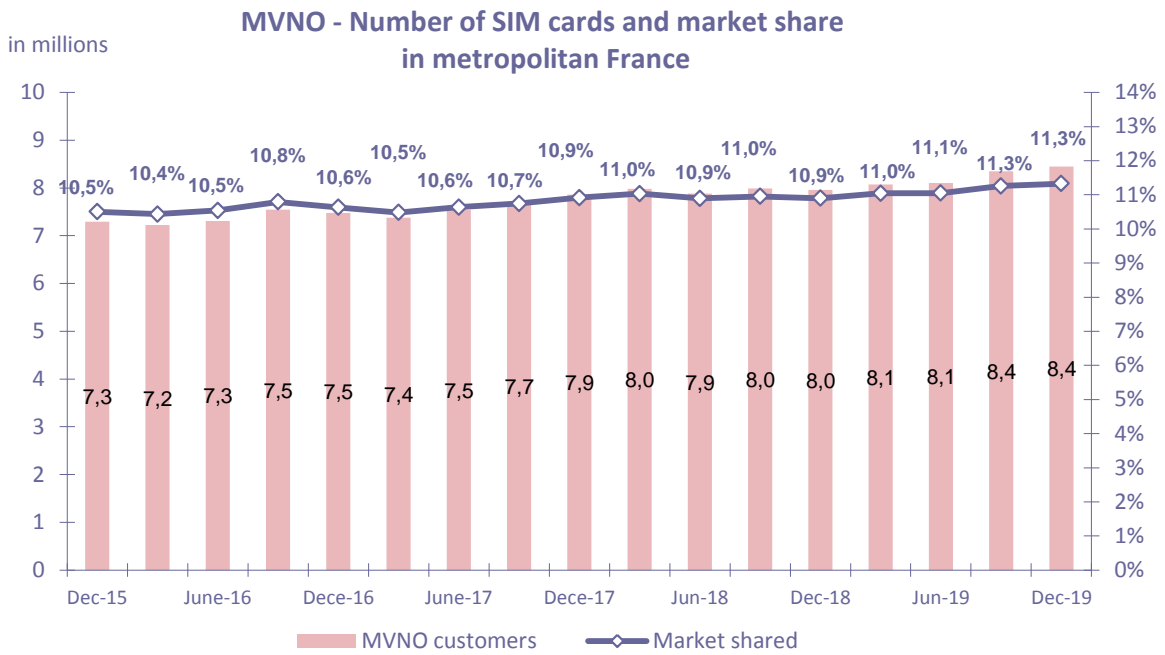
## II.2 Virtual mobile network operators (MVNO) market share



	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Mobile networks operators (MNOs) customers</b>	<b>65,063</b>	<b>65,068</b>	<b>65,245</b>	<b>65,837</b>	<b>66,125</b>
- Among which postpaid customers	<b>60,886</b>	<b>61,089</b>	<b>61,319</b>	<b>61,868</b>	<b>62,286</b>
- Quarterly Net Adds	0,137	0,006	0,176	0,592	0,288
- Year on year net growth (in %)	1,4%	1,1%	1,2%	1,4%	1,6%
<b>MVNOs customers</b>	<b>7,960</b>	<b>8,077</b>	<b>8,106</b>	<b>8,353</b>	<b>8,445</b>
- Quarterly Net Adds	<b>4,037</b>	<b>4,086</b>	<b>4,225</b>	<b>4,290</b>	<b>4,421</b>
- Year on year net growth (in %)	-0,027	0,117	0,029	0,247	0,092
- Year on year net growth (in %)	1,3%	1,2%	2,8%	4,6%	6,1%
<b>MVNO Market share</b>	<b>10,9%</b>	<b>11,0%</b>	<b>11,1%</b>	<b>11,3%</b>	<b>11,3%</b>
<b>MVNO Market share of gross postpaid sales</b>	<b>10,7%</b>	<b>9,7%</b>	<b>13,3%</b>	<b>8,8%</b>	<b>11,6%</b>
<b>MVNO Market share of gross prepaid sales</b>	<b>65,7%</b>	<b>63,0%</b>	<b>65,6%</b>	<b>63,7%</b>	<b>64,3%</b>

## II.3 Market fluidity

	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Quarterly postpaid cancellation rate</b>	<b>4,6%</b>	<b>4,2%</b>	<b>3,7%</b>	<b>3,9%</b>	<b>4,1%</b>
<b>Quarterly prepaid cancellation rate</b>	<b>28,8%</b>	<b>23,4%</b>	<b>28,6%</b>	<b>27,1%</b>	<b>29,7%</b>
<b>Numbers ported during the quarter</b>	<b>1,805</b>	<b>1,614</b>	<b>1,417</b>	<b>1,535</b>	<b>1,673</b>
- Year on year net growth (in %)	-26,4%	-24,5%	-31,4%	-27,2%	-7,3%
<b>Post-paid residential customers not under commitment</b>	<b>42,126</b>	<b>42,168</b>	<b>42,311</b>	<b>42,957</b>	<b>43,480</b>
- % of customers not under commitment contract	75,1%	74,9%	74,8%	75,2%	75,5%
<b>Post-paid customers not under commitment contract</b>	<b>45,837</b>	<b>45,722</b>	<b>45,867</b>	<b>46,549</b>	<b>47,109</b>
- % of customers not under commitment contract	70,6%	70,2%	70,0%	70,4%	70,6%
<b>Adjusted figure</b>					





### III. METROPOLITAN RESIDENTIAL AND BUSINESS MARKET



#### III.1 Residential market - Total customers segmentation

	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total residential customers</b>	<b>64,218</b>	<b>64,292</b>	<b>64,395</b>	<b>65,175</b>	<b>65,464</b>
- Quarterly Net Adds	2,101	2,006	1,985	1,982	1,960
- Quarterly Net Adds	0,025	0,074	0,103	0,780	0,289
- Year on year net growth (in %)	1,1%	0,8%	1,0%	1,5%	1,9%
<b>Postpaid residential customers</b>	<b>56,119</b>	<b>56,322</b>	<b>56,589</b>	<b>57,143</b>	<b>57,601</b>
- Quarterly gross sales	3,047	2,539	2,347	2,822	2,825
- Quarterly Net Adds	0,401	0,203	0,268	0,554	0,458
- Year on year net growth (in %)	3,3%	2,6%	2,5%	2,6%	2,6%
<b>Prepaid residential customers</b>	<b>8,099</b>	<b>7,970</b>	<b>7,805</b>	<b>8,031</b>	<b>7,863</b>
- Quarterly gross sales	2,010	1,754	2,091	2,379	2,193
- Quarterly Net Adds	-0,376	-0,129	-0,165	0,226	-0,169
- Year on year net growth (in %)	-12,0%	-10,4%	-8,6%	-5,2%	-2,9%

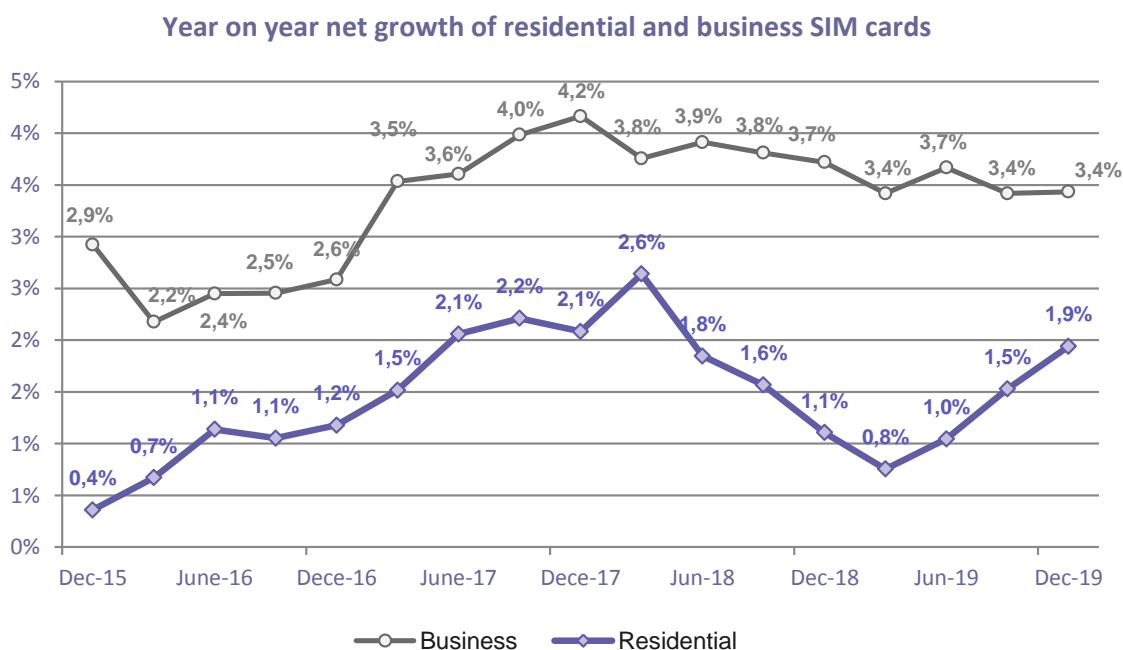
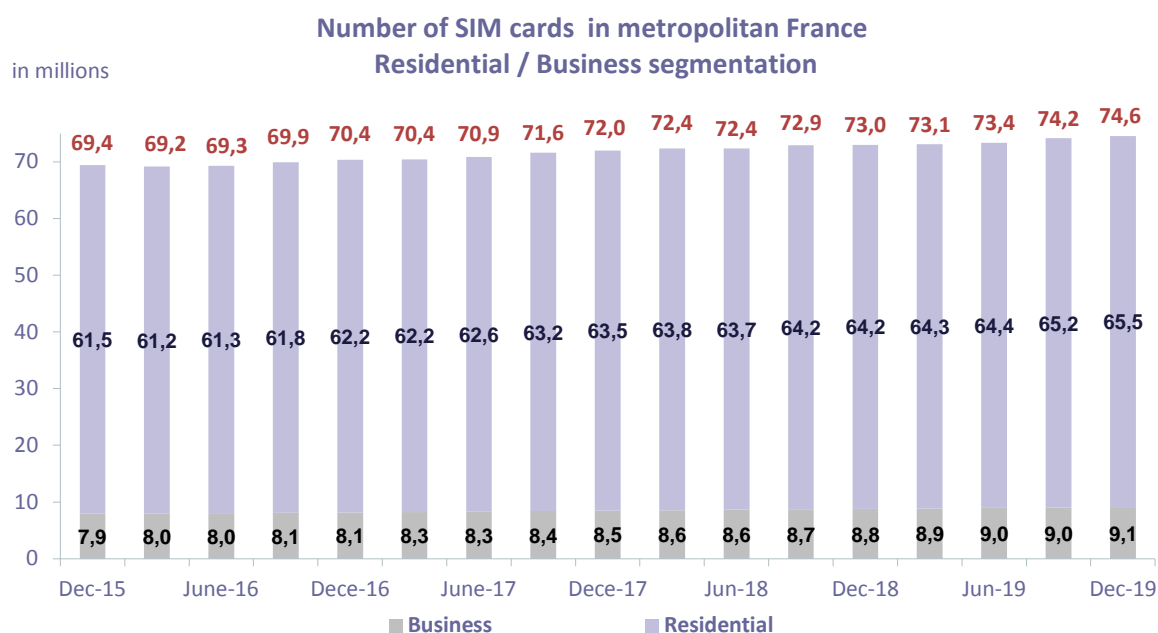
#### III.2 Residential market - Mobile Virtual Network Operators market share

	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>MNOs</b>	<b>56,689</b>	<b>56,655</b>	<b>56,745</b>	<b>57,291</b>	<b>57,501</b>
- Quarterly Net Adds	0,055	-0,034	0,090	0,546	0,210
- Year on year net growth (in %)	1,2%	0,8%	0,9%	1,2%	1,4%
<b>MVNOs</b>	<b>7,529</b>	<b>7,637</b>	<b>7,650</b>	<b>7,884</b>	<b>7,963</b>
- Quarterly Net Adds	-0,030	0,108	0,013	0,234	0,079
- Year on year net growth (in %)	0,7%	0,7%	2,4%	4,3%	5,8%
<b>MVNO Market share</b>	<b>11,7%</b>	<b>11,9%</b>	<b>11,9%</b>	<b>12,1%</b>	<b>12,2%</b>
<b>MVNO Market share of gross postpaid sales</b>	<b>11,6%</b>	<b>9,9%</b>	<b>14,1%</b>	<b>8,8%</b>	<b>12,3%</b>

### III.3 Business market - total customers MtoM SIM cards excluded

Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
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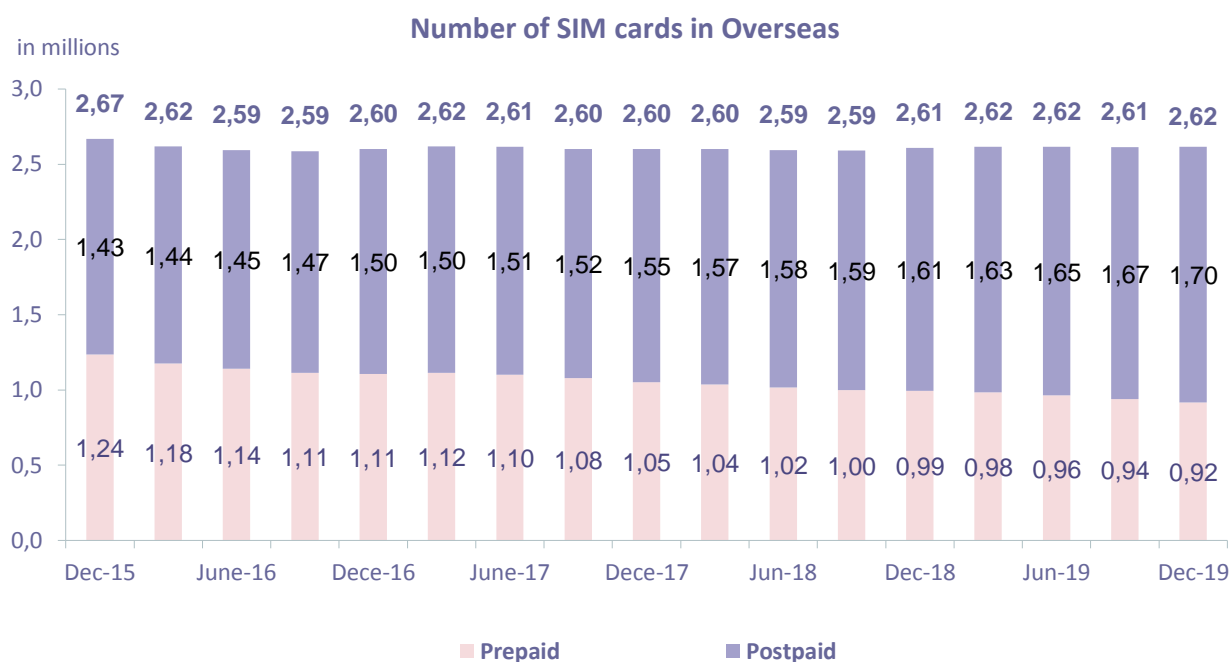
<b>Postpaid business customers</b>	<b>8,804</b>	<b>8,853</b>	<b>8,955</b>	<b>9,015</b>	<b>9,106</b>
<b>among which Internet SIM cards</b>	<b>1,268</b>	<b>1,275</b>	<b>1,305</b>	<b>1,314</b>	<b>1,325</b>
- Quarterly Net Adds	0,087	0,049	0,102	0,060	0,092
- Year on year net growth (in %)	3,7%	3,4%	3,7%	3,4%	3,4%



## IV. OVERSEAS REPORT : DOM, Saint-Martin, Saint-Barthélemy, Saint-Pierre-et-Miquelon

### IV.1 Overseas departments: total customers and total active customers segmentation

	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total customers</b>	<b>2,607</b>	<b>2,617</b>	<b>2,615</b>	<b>2,614</b>	<b>2,617</b>
- Quarterly Net Adds	0,016	0,010	-0,002	-0,001	0,003
- Year on year net growth (in %)	0,3%	0,6%	0,8%	0,9%	0,4%
<b>Penetration Rate</b>	<b>117,7%</b>	<b>117,2%</b>	<b>117,1%</b>	<b>117,0%</b>	<b>117,2%</b>
<b>Population at January the 1<sup>st</sup> of previous year (source: Insee)</b>	2,216	2,233			
<b>Postpaid customers</b>	<b>1,614</b>	<b>1,633</b>	<b>1,650</b>	<b>1,674</b>	<b>1,701</b>
- Quarterly Net Adds	0,023	0,019	0,017	0,024	0,026
- Year on year net growth (in %)	4,3%	4,3%	4,7%	5,2%	5,3%
<b>Prepaid customers</b>	<b>0,993</b>	<b>0,984</b>	<b>0,965</b>	<b>0,940</b>	<b>0,916</b>
- Quarterly Net Adds	-0,007	-0,009	-0,019	-0,025	-0,024
- Year on year net growth (in %)	-5,6%	-5,1%	-5,2%	-6,0%	-7,7%
<b>Total active customers</b>	<b>2,342</b>	<b>2,346</b>	<b>2,348</b>	<b>2,352</b>	<b>2,375</b>
- as a % of total customers	89,8%	89,6%	89,8%	90,0%	90,7%
- Quarterly Net Adds	0,015	0,004	0,002	0,005	0,023
- Year on year net growth (in %)	-0,7%	-0,6%	0,3%	1,1%	1,4%



## IV.2 Guadeloupe, St-Martin, St-Barth. total customers and active customers segm.



	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total customers</b>	<b>0,618</b>	<b>0,626</b>	<b>0,628</b>	<b>0,624</b>	<b>0,623</b>
- Quarterly Net Adds	-0,001	0,007	0,003	-0,004	0,000
- Year on year net growth (in %)	-1,2%	-0,8%	1,1%	0,7%	0,9%
<b>Penetration Rate</b>	<b>143,3%</b>	<b>145,8%</b>	<b>146,4%</b>	<b>145,4%</b>	<b>145,3%</b>
<b>Population at January the 1<sup>st</sup> of previous year (source: Insee)</b>	0,431	0,429			
<b>Postpaid customers</b>	<b>0,359</b>	<b>0,363</b>	<b>0,365</b>	<b>0,367</b>	<b>0,371</b>
- Quarterly Net Adds	0,004	0,004	0,002	0,002	0,005
- Year on year net growth (in %)	2,9%	2,9%	3,1%	3,2%	3,4%
<b>Prepaid customers</b>	<b>0,259</b>	<b>0,263</b>	<b>0,263</b>	<b>0,257</b>	<b>0,252</b>
- Quarterly Net Adds	-0,005	0,004	0,000	-0,006	-0,005
- Year on year net growth (in %)	-6,3%	-5,5%	-1,6%	-2,6%	-2,6%
<b>Total active customers</b>	<b>0,537</b>	<b>0,538</b>	<b>0,539</b>	<b>0,534</b>	<b>0,538</b>
- as a % of total customers	86,9%	86,0%	85,9%	85,6%	86,3%
- Quarterly Net Adds	0,002	0,001	0,001	-0,005	0,004
- Year on year net growth (in %)	-3,9%	-3,5%	-1,4%	-0,2%	0,2%

## IV.3 Guyane: total customers and total active customers segmentation



	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total customers</b>	<b>0,297</b>	<b>0,301</b>	<b>0,303</b>	<b>0,299</b>	<b>0,298</b>
- Quarterly Net Adds	0,002	0,004	0,002	-0,004	-0,001
- Year on year net growth (in %)	0,5%	2,6%	1,8%	1,2%	0,1%
<b>Penetration Rate</b>	<b>103,4%</b>	<b>101,5%</b>	<b>102,0%</b>	<b>100,7%</b>	<b>100,3%</b>
<b>Population at January the 1<sup>st</sup> of previous year (source: Insee)</b>	0,288	0,297			
<b>Postpaid customers</b>	<b>0,128</b>	<b>0,130</b>	<b>0,131</b>	<b>0,133</b>	<b>0,136</b>
- Quarterly Net Adds	0,003	0,002	0,001	0,002	0,003
- Year on year net growth (in %)	4,9%	5,3%	5,0%	6,2%	6,1%
<b>Prepaid customers</b>	<b>0,169</b>	<b>0,171</b>	<b>0,171</b>	<b>0,166</b>	<b>0,161</b>
- Quarterly Net Adds	-0,001	0,002	0,000	-0,006	-0,004
- Year on year net growth (in %)	-2,7%	0,6%	-0,5%	-2,4%	-4,4%
<b>Total active customers</b>	<b>0,261</b>	<b>0,260</b>	<b>0,261</b>	<b>0,260</b>	<b>0,262</b>
- as a % of total customers	87,7%	86,3%	86,2%	86,9%	88,2%
- Quarterly Net Adds	0,003	-0,001	0,001	-0,001	0,003
- Year on year net growth (in %)	0,2%	0,2%	0,2%	0,6%	0,6%

#### IV.4 Martinique: total customers and total active customers segmentation



	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total customers</b>	<b>0,530</b>	<b>0,531</b>	<b>0,533</b>	<b>0,533</b>	<b>0,530</b>
- Quarterly Net Adds	0,003	0,002	0,002	-0,001	-0,003
- Year on year net growth (in %)	0,9%	0,8%	1,2%	1,2%	0,0%
<b>Penetration Rate</b>	<b>143,7%</b>	<b>145,8%</b>	<b>146,4%</b>	<b>146,3%</b>	<b>145,3%</b>
<i>Population at January the 1<sup>st</sup> of previous year (source: Insee)</i>	0,369	0,364			
<b>Postpaid customers</b>	<b>0,329</b>	<b>0,332</b>	<b>0,334</b>	<b>0,336</b>	<b>0,339</b>
- Quarterly Net Adds	0,003	0,004	0,002	0,002	0,003
- Year on year net growth (in %)	2,0%	2,5%	2,6%	3,2%	3,1%
<b>Prepaid customers</b>	<b>0,201</b>	<b>0,199</b>	<b>0,199</b>	<b>0,197</b>	<b>0,191</b>
- Quarterly Net Adds	0,000	-0,002	0,000	-0,002	-0,006
- Year on year net growth (in %)	-0,8%	-1,7%	-1,1%	-2,1%	-5,1%
<b>Total active customers</b>	<b>0,445</b>	<b>0,448</b>	<b>0,449</b>	<b>0,446</b>	<b>0,447</b>
- as a % of total customers	84,1%	84,4%	84,1%	83,7%	84,5%
- Quarterly Net Adds	0,000	0,003	0,000	-0,003	0,001
- Year on year net growth (in %)	-3,3%	-2,3%	-0,9%	0,3%	0,4%

#### IV.5 Mayotte: total customers and total active customers segmentation



	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total customers</b>	<b>0,292</b>	<b>0,287</b>	<b>0,277</b>	<b>0,276</b>	<b>0,277</b>
- Quarterly Net Adds	0,009	-0,005	-0,009	-0,001	0,001
- Year on year net growth (in %)	3,6%	2,5%	-1,2%	-2,4%	-5,2%
<b>Penetration Rate</b>	<b>112,0%</b>	<b>106,0%</b>	<b>102,6%</b>	<b>102,1%</b>	<b>102,3%</b>
<i>Population at January the 1<sup>st</sup> of previous year (source: Insee)</i>	0,260	0,270			
<b>Postpaid customers</b>	<b>0,066</b>	<b>0,066</b>	<b>0,065</b>	<b>0,066</b>	<b>0,067</b>
- Quarterly Net Adds	0,000	0,000	0,000	0,001	0,002
- Year on year net growth (in %)	0,8%	-0,1%	-0,1%	1,1%	2,9%
<b>Prepaid customers</b>	<b>0,226</b>	<b>0,221</b>	<b>0,212</b>	<b>0,210</b>	<b>0,209</b>
- Quarterly Net Adds	0,008	-0,005	-0,009	-0,002	-0,001
- Year on year net growth (in %)	4,5%	3,3%	-1,6%	-3,4%	-7,5%
<b>Total active customers</b>	<b>0,252</b>	<b>0,250</b>	<b>0,246</b>	<b>0,249</b>	<b>0,253</b>
- as a % of total customers	86,4%	87,2%	88,6%	90,3%	91,6%
- Quarterly Net Adds	0,005	-0,002	-0,004	0,004	0,004
- Year on year net growth (in %)	6,9%	3,4%	1,7%	0,9%	0,5%

#### IV. 6 Réunion: total customers and total active customers segmentation



	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>Total customers</b>	<b>0,866</b>	<b>0,867</b>	<b>0,868</b>	<b>0,877</b>	<b>0,885</b>
- Quarterly Net Adds	0,004	0,001	0,001	0,009	0,007
- Year on year net growth (in %)	-0,2%	0,1%	0,8%	1,8%	2,2%
<b>Penetration Rate</b>	<b>100,4%</b>	<b>100,1%</b>	<b>100,2%</b>	<b>101,2%</b>	<b>102,1%</b>
<i>Population at January the 1<sup>st</sup> of previous year (source: Insee)</i>	0,862	0,867			
<b>Postpaid customers</b>	<b>0,728</b>	<b>0,738</b>	<b>0,750</b>	<b>0,767</b>	<b>0,782</b>
- Quarterly Net Adds	0,013	0,010	0,012	0,017	0,014
- Year on year net growth (in %)	6,3%	6,2%	6,9%	7,3%	7,4%
<b>Prepaid customers</b>	<b>0,138</b>	<b>0,130</b>	<b>0,119</b>	<b>0,110</b>	<b>0,103</b>
- Quarterly Net Adds	-0,009	-0,008	-0,011	-0,009	-0,007
- Year on year net growth (in %)	-24,5%	-24,6%	-26,0%	-25,4%	-25,5%
<b>Total active customers</b>	<b>0,841</b>	<b>0,845</b>	<b>0,847</b>	<b>0,858</b>	<b>0,868</b>
- as a % of total customers	97,2%	97,4%	97,6%	97,8%	98,2%
- Quarterly Net Adds	0,005	0,003	0,003	0,010	0,011
- Year on year net growth (in %)	0,5%	1,0%	1,7%	2,5%	3,2%

## B - Internet of things : MtoM SIM cards

### I. MtoM CARDS OF FRENCH OPERATORS

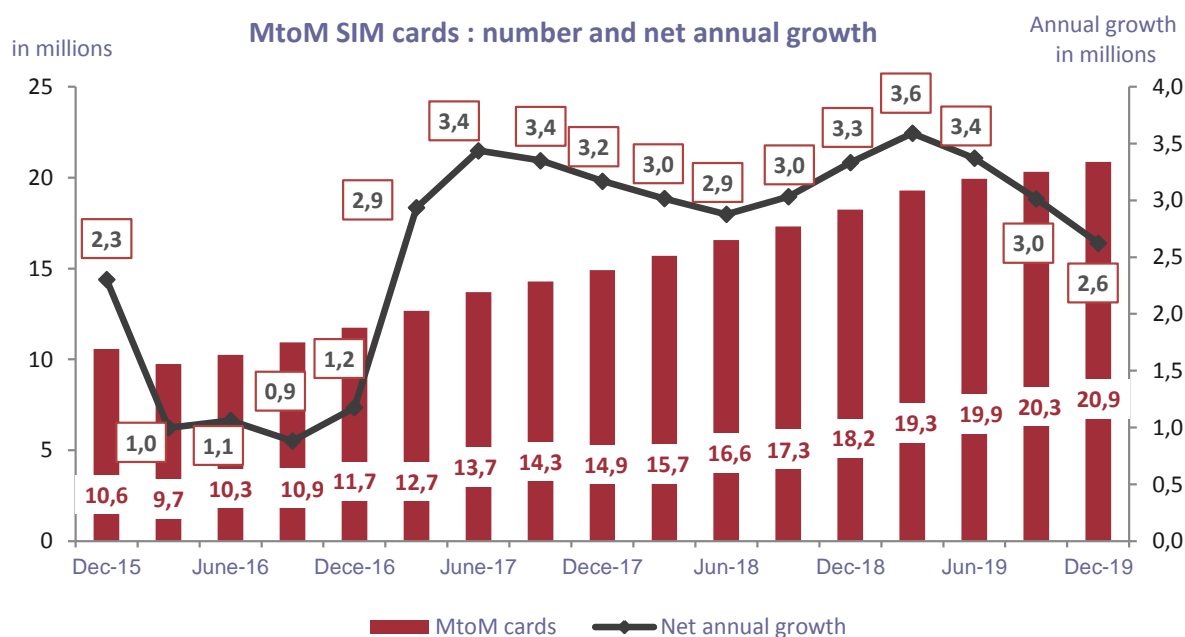
	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>MtoM SIM cards</b>	<b>18,238</b>	<b>19,283</b>	<b>19,940</b>	<b>20,327</b>	<b>20,862</b>
-Gross sales for the quarter	1,086	1,161	0,808	0,646	0,752
- Quarterly Net Adds	0,926	1,045	0,657	0,387	0,535
- Year on year net growth (in %)	22,4%	22,9%	20,3%	17,4%	14,4%

### I.1 MtoM CARDS OF FRENCH OPERATORS - METROPOLITAN

	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>MtoM SIM cards</b>	<b>18,203</b>	<b>19,247</b>	<b>19,904</b>	<b>20,293</b>	<b>20,827</b>
- Quarterly Net Adds	0,924	1,045	0,656	0,389	0,534
- Year on year net growth (in %)	22,4%	22,9%	20,4%	17,4%	14,4%

### I.2 MtoM CARDS OF FRENCH OPERATORS - OVERSEAS DEPARTMENTS

	Dec-18	Mar-19	Jun-19	Sept-19	Dec-19
<b>MtoM SIM cards</b>	<b>0,035</b>	<b>0,035</b>	<b>0,036</b>	<b>0,034</b>	<b>0,035</b>
- Quarterly Net Adds	0,001	0,001	0,000	-0,002	0,000
- Year on year net growth (in %)	6,7%	9,8%	8,1%	2,3%	-0,4%
<b>Adjusted figure</b>					



## Appendix: DEFINITIONS

**Total SIM cards:** Total SIM cards registered with an operator's Home Location Register (HLR) or in the Home Subscriber Server (HSS) at the date in question. So, for business clients, each line is considered as a post-paid contract. Post-paid cards are those whose service is invoiced regularly (packages, metered offers, blocked accounts, etc.). By default, any non-post-paying client is considered to be a pre-paying client.

**Internet SIM cards:** number of SIM cards sold by mobile operators (flat rates or prepaid cards), to be used solely for accessing the Internet (PCMCIA cards, 3G/4G USB keys). These cards cannot be used to make voice calls.

**Gross sales:** total SIM cards at the end of the quarter which are registered with the HLR/HSS during the quarter. They exclude migrations: pre-paid to post-paid migration corresponds to clients asking their operator to replace their pre-paid offer in force at the beginning of the quarter with a post-paid offer; conversely, post-paid to pre-paid migration corresponds to clients asking their operator to replace their post-paid offer in force at the beginning of the quarter with a pre-paid offer.

**Cancellation:** Total SIM cards at the beginning of the quarter whose registration in the HLR/HSS was deleted during the quarter. Modifications to the registration in the HLR/HSS are not cancellations. So, this definition does not cover changes in offers within a line, or pre- to post-paid migrations or post- to pre-paid migrations, or service suspensions.

**Penetration rate:** Penetration rate: it is obtained by dividing the total number of clients by the population. The reference population is 1st January of the year N-1 published by Insee on the 1<sup>st</sup> January of the year N. The reference population in 2019, comes from estimates published in January 2019 (and therefore of the population for January 1<sup>st</sup>, 2018).

**Customers not under commitment contract:** a client under a commitment contract is any client having taken out or renewed a contract (out of all or part of the contracts related to mobile service) for a minimum period not having expired at the date in question. A client not under commitment contract is any client not having a contract.

**Total active customers:** the number of active clients equals to all post-paid customers under contract and pre-paid customers under contract having made or received a telephone call, whether free or paid, sent a SMS, MMS used a multimedia (e-mail, internet) service during the past three months (not including incoming SMS).

**Number of ported numbers :** is calculated as half of the volume of numbers of "in" porting and "out" porting done by all operators. "In" porting is considered to be an effective porting from the receiving operator's point of view. "Out" porting is an effective porting from the donor operator's point of view.

**Total MtoM cards:** number of SIM cards used for communication between remote equipment (remote management of equipment, terminals and servers, fixed or mobile). The communications from these cards are generally carried out without human intervention. These cards are used for example for tracking of objects and tools (fleets of vehicles, machinery, etc.), for purposes of updating of data (surveys at distance of meters, sensors...), for the identification and monitoring of all kinds (alarms, remote actions...), the list of those uses where communication is from "machine to machine" is not limited. Are taken into account the MtoM SIM cards, the communication was done only in downstream, only upstream or both. The cards used for interpersonal communication and exclusive internet cards are not included here.



## Operators

- Metropolitan mobile network operators: Bouygues Telecom, Free mobile, Orange, Société Française du Radiotéléphone (SFR).
- Overseas mobile network operators : Dauphin Telecom, Digicel AFG, Globaltel, Orange Caraïbes, Orange Réunion, Outremer Telecom, SAS SPM, Société Réunionnaise du Radiotéléphone (SRR), Telco OI, UTS Caraïbe, Maoré Mobile, Zeop.
- Mobile Virtual Network Operators independent of mobile network operators active on the quarter.