

# Swisscom (SCMN.S)

Limited returns improvement and rerating potential as Swiss weakness outweighs benefits from potential Italian consolidation; maintain Sell

Sell

SCMN.S	12m Price Target: <b>SFr450.00</b>	Price: <b>SFr529.50</b>	Downside: <b>15.0%</b>
--------	------------------------------------	-------------------------	------------------------

Swisscom operates within challenging Swiss and Italian market structures, which face greater competition than other European markets. It has lower than average ability to monetize its fibre in Switzerland as unique regulation grants competitors cheap access to its network. In this note, we show that the poor structural quality of Swisscom's telco markets suggests its returns likely do not rise over the next three years. This appears unconvincing vs the ramping returns of the broader European telco sector. **We show that while potential Italian mobile consolidation could improve group returns, Swisscom would still be in the bottom quartile vs the sector.** We maintain Sell with a 12m PT of SFr450.

**Swiss telco market insufficient to support growth or returns improvement for Swisscom.** The Swiss market is imbalanced in terms of market share and Swisscom's competitors can rent its fibre with network-owner economics. This means the smallest player is incentivised to price aggressively. We expect cost-cutting to be insufficient to offset declining revenues and model a Swiss EBITDA CAGR (2024-28E) at -0.8% vs +3% at peers.

**VOD Italy deal does not support a meaningful returns improvement.** We expect the acquisition to drag on the group's ROIC in 2025-26 and our analysis highlights no returns improvement even after full synergies come through. This means group EBITDA CAGR (2024-28E) is just +c1% (+c4% sector avg) and group returns are -0.5pp (+2.4pp sector avg), limiting rerating potential.

**Potential Italian mobile consolidation does not materially change our outlook for the shares.** Our analysis suggests Swisscom has relatively muted upside potential from this. We see greater upside in stocks with higher exposure to 4-player markets and/or higher gearing, namely: BT, TEF, Tele2, Telia, 1&1/UTDI.

## Andrew Lee

+44(20)7774-1383 | andrew.j.lee@gs.com  
Goldman Sachs International

## Anna Osenchugova

+971(4)376-3505 | anna.osenchugova@gs.com  
Goldman Sachs International

## Halima Elyas

+44(20)7774-6503 | halima.elyas@gs.com  
Goldman Sachs International

## Sofija Rakicevic

+44(20)7774-6556 | sofija.rakicevic@gs.com  
Goldman Sachs International

## Key Data

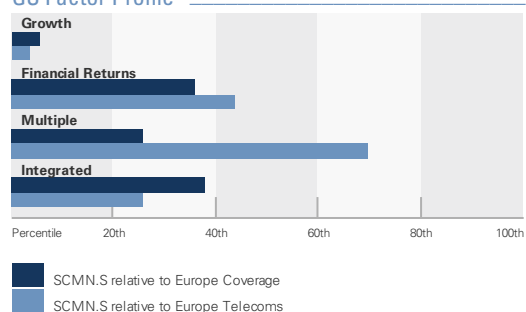
Market cap: SFr27.4bn / \$31.0bn  
Enterprise value: SFr43.1bn / \$48.7bn  
3m ADTV: SFr58.5mn / \$65.0mn  
Switzerland  
Europe Telecoms  
M&A Rank: 3  
Leases incl. in net debt & EV?: Yes

## GS Forecast

	12/24	12/25E	12/26E	12/27E
<b>Revenue (SFr mn) New</b>	<b>11,036.0</b>	<b>15,218.1</b>	<b>15,155.4</b>	<b>15,123.1</b>
Revenue (SFr mn) Old	11,031.9	15,189.7	15,149.3	15,139.2
EBIT (SFr mn)	1,951.0	2,373.8	2,512.3	2,765.1
<b>EPS (SFr) New</b>	<b>29.77</b>	<b>32.85</b>	<b>34.79</b>	<b>38.39</b>
EPS (SFr) Old	28.15	34.34	36.90	39.86
P/E (X)	17.5	16.1	15.2	13.8
Dividend yield (%)	4.2	4.9	5.1	5.3
CROCI (%)	6.1	8.3	8.0	7.9
N debt/EBITDA (ex lease,X)	3.0	2.4	2.7	2.5

	12/24	3/25E	6/25E	9/25E
EPS (SFr)	5.00	8.13	8.07	8.80

## GS Factor Profile



Source: Company data, Goldman Sachs Research estimates.  
See disclosures for details.

Goldman Sachs does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. For Reg AC certification and other important disclosures, see the Disclosure Appendix, or go to [www.gs.com/research/hedge.html](http://www.gs.com/research/hedge.html). Analysts employed by non-US affiliates are not registered/qualified as research analysts with FINRA in the U.S.

Sell

## Swisscom (SCMN.S)

Rating since Dec 9, 2015

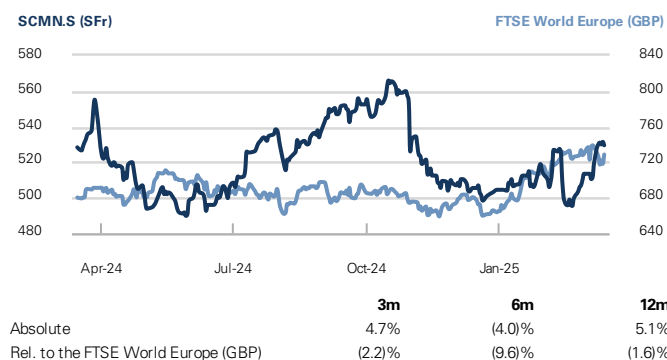
## Ratios &amp; Valuation

	12/24	12/25E	12/26E	12/27E
EV/sales (X)	3.9	2.8	3.0	3.0
EV/EBITDAR (X)	9.8	6.6	6.7	6.5
EV/EBITDA (excl. leases) (X)	9.7	6.8	7.0	6.7
EV/EBIT (X)	21.8	18.2	17.9	16.2
P/E (X)	17.5	16.1	15.2	13.8
Dividend yield (%)	4.2	4.9	5.1	5.3
EV/GCI (X)	0.6	0.6	0.6	0.5
CROCI (%)	6.1	8.3	8.0	7.9
ROIC (%)	7.3	7.4	7.6	8.1
ROA (%)	NM	NM	NM	NM
Days inventory outst, sales	—	—	—	—
Asset turnover (X)	0.9	1.1	1.1	1.0
Capex/D&A (%)	819.9	NM	NM	NM
Net debt/equity (excl. leases) (%)	98.4	118.7	129.1	121.6
EBIT interest cover (X)	9.0	8.8	9.4	10.3
FCF cover of dividends (X)	1.2	0.9	1.0	1.2

## Growth &amp; Margins (%)

	12/24	12/25E	12/26E	12/27E
Total revenue growth	(0.3)	37.9	(0.4)	(0.2)
EBITDA growth	(5.8)	50.7	1.8	3.5
EBIT growth	(11.5)	21.7	5.8	10.1
Net inc. growth	(9.9)	10.4	5.9	10.3
EPS growth	(9.9)	10.4	5.9	10.3
DPS growth	0.0	18.2	3.8	3.7

## Price Performance



Source: FactSet. Price as of 14 Mar 2025 close.

## Income Statement (SFr mn)

	12/24	12/25E	12/26E	12/27E
Total revenue	11,036.0	15,218.1	15,155.4	15,123.1
Total operating expenses	(6,681.0)	(8,654.6)	(8,470.6)	(8,202.0)
R&D	—	—	—	—
Other operating inc./exp.)	—	—	—	—
<b>EBITDA</b>	<b>4,355.0</b>	<b>6,563.5</b>	<b>6,684.8</b>	<b>6,921.1</b>
Depreciation & amortisation	(2,404.0)	(4,189.7)	(4,172.4)	(4,156.0)
<b>EBIT</b>	<b>1,951.0</b>	<b>2,373.8</b>	<b>2,512.3</b>	<b>2,765.1</b>
Net interest inc./exp.)	(255.0)	(305.8)	(305.9)	(306.5)
Income/(loss) from associates	(2.0)	0.0	0.0	0.0
Profit/(loss) on disposals	—	—	—	—
Total other net	167.0	7.3	7.9	8.4
<b>Pre-tax profit</b>	<b>1,861.0</b>	<b>2,075.3</b>	<b>2,214.2</b>	<b>2,467.1</b>
Provision for taxes	(320.0)	(373.6)	(411.9)	(478.6)
Minority interest	1.0	—	—	—
Preferred dividends	—	—	—	—
<b>Net inc. (pre-exceptionals)</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Post-tax exceptionals	—	—	—	—
<b>Net inc. (post-exceptionals)</b>	<b>1,542.0</b>	<b>1,701.7</b>	<b>1,802.4</b>	<b>1,988.5</b>
<b>EPS (basic, pre-exception) (SFr)</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>EPS (basic, post-exception) (SFr)</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Wtd avg shares out. (basic) (mn)	51.8	51.8	51.8	51.8
Tax rate (%)	17.2	18.0	18.6	19.4
Common dividends declared	—	—	—	—
DPS (SFr)	22.00	26.00	27.00	28.00

## Balance Sheet (SFr mn)

	12/24	12/25E	12/26E	12/27E
Cash & cash equivalents	1,523.0	2,014.3	1,956.4	2,187.7
Accounts receivable	2,939.0	3,014.0	3,054.0	3,084.0
Inventory	—	—	—	—
Other current assets	—	—	—	—
<b>Total current assets</b>	<b>6,361.0</b>	<b>6,876.3</b>	<b>6,857.4</b>	<b>7,117.7</b>
Net PP&E	13,501.0	13,931.4	14,415.0	14,864.6
Net intangibles	12,422.0	12,422.0	12,422.0	12,422.0
Total investments	27.0	27.0	27.0	27.0
Other long-term assets	—	—	—	—
<b>Total assets</b>	<b>37,211.0</b>	<b>38,348.7</b>	<b>40,611.9</b>	<b>41,151.7</b>
Accounts payable	2,685.0	2,685.0	2,685.0	2,685.0
Short-term debt	2,261.0	2,261.0	2,261.0	2,261.0
Short-term lease liabilities	622.0	622.0	622.0	622.0
Other current liabilities	—	—	—	—
<b>Total current liabilities</b>	<b>7,449.0</b>	<b>7,415.0</b>	<b>7,366.1</b>	<b>7,366.1</b>
Long-term debt	15,274.0	15,884.0	17,740.5	17,690.5
Long-term lease liabilities	3,014.0	—	—	—
Other long-term liabilities	—	—	—	—
<b>Total long-term liabilities</b>	<b>17,607.0</b>	<b>18,217.0</b>	<b>20,073.5</b>	<b>20,023.5</b>
<b>Total liabilities</b>	<b>25,056.0</b>	<b>25,632.0</b>	<b>27,439.6</b>	<b>27,389.6</b>
<b>Preferred shares</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Total common equity</b>	<b>12,155.0</b>	<b>12,716.7</b>	<b>13,172.3</b>	<b>13,762.1</b>
<b>Minority interest</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total liabilities &amp; equity</b>	<b>37,211.0</b>	<b>38,348.7</b>	<b>40,611.9</b>	<b>41,151.7</b>
<b>Capital employed</b>	<b>29,690.0</b>	<b>30,861.7</b>	<b>33,173.8</b>	<b>33,713.6</b>
Adj for unfunded pensions & GW	—	—	—	—

## Cash Flow (SFr mn)

	12/24	12/25E	12/26E	12/27E
Net income	—	—	—	—
D&A add-back	—	—	—	—
Minority interest add-back	—	—	—	—
Net (inc)/dec working capital	—	—	—	—
Other operating cash flow	—	—	—	—
<b>Cash flow from operations</b>	<b>3,977.0</b>	<b>5,851.5</b>	<b>5,995.0</b>	<b>6,285.5</b>
Capital expenditures	(2,312.0)	(3,142.1)	(3,108.1)	(3,057.6)
Acquisitions	—	—	—	—
Divestitures	—	—	—	—
Others	—	—	—	—
<b>Cash flow from investing</b>	<b>(9,279.0)</b>	<b>(3,022.1)</b>	<b>(3,108.1)</b>	<b>(3,057.6)</b>
Repayment of lease liabilities	(267.0)	(1,548.0)	(1,548.0)	(1,548.0)
Dividends paid (common & pref)	(1,140.0)	(1,140.0)	(1,346.9)	(1,398.7)
Inc/(dec) in debt	—	—	—	—
Other financing cash flows	0.0	0.0	0.0	0.0
<b>Cash flow from financing</b>	<b>6,819.0</b>	<b>(2,338.0)</b>	<b>(2,944.9)</b>	<b>(2,996.7)</b>
<b>Total cash flow</b>	<b>1,375.0</b>	<b>491.3</b>	<b>(58.0)</b>	<b>231.3</b>
Reinvestment rate (%)	58.1	53.7	51.8	48.6

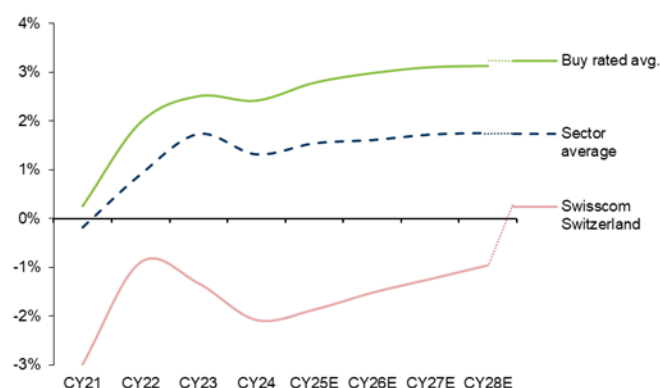
Source: Company data, Goldman Sachs Research estimates.

## PM Summary

The Swiss telco market is a 3-player market with imbalanced market shares, driving price competition. Fixed broadband is the biggest issue - uniquely in Europe, Swisscom competitors can rent its fibre on contracts with network-owner economics. As a result, the smallest player is incentivised to price aggressively. This means Swisscom's service revenue is likely to decline at a 1.4% CAGR (2024-28E), and with cost-cutting opportunities lower than those available historically, domestic EBITDA will likely fall at a -0.8% CAGR (2024-28E). The synergies that management expect from the completed VOD Italy deal are likely not sufficient to offset declining Switzerland EBITDA and the weak outlook for underlying Italy EBITDA (even with potential consolidation benefits). Swisscom group's ROIC 2024-28 outlook is -0.5pp or broadly flat with consolidation boost, materially below the sector average of +2.4pp. This is particularly unconvincing in the context of the ramping returns of the broader European telecoms sector which is enjoying the burgeoning benefits of deregulation. This limits the re-rating potential for Swisscom in our view.

### Exhibit 1: Swisscom is among the least well-positioned companies in our coverage in terms of service revenue growth

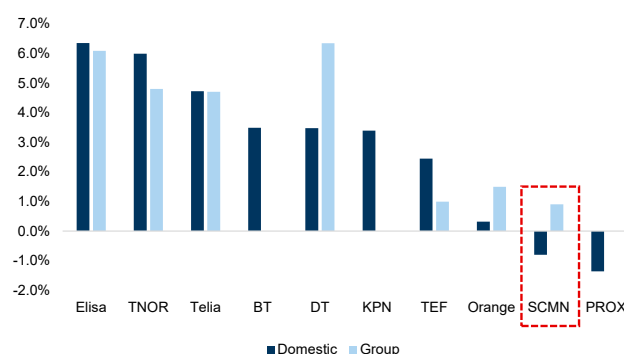
Annual service revenue growth



Source: Company data, Goldman Sachs Global Investment Research

### Exhibit 2: Swisscom's domestic and group EBITDA growth significantly lags the rest of the sector

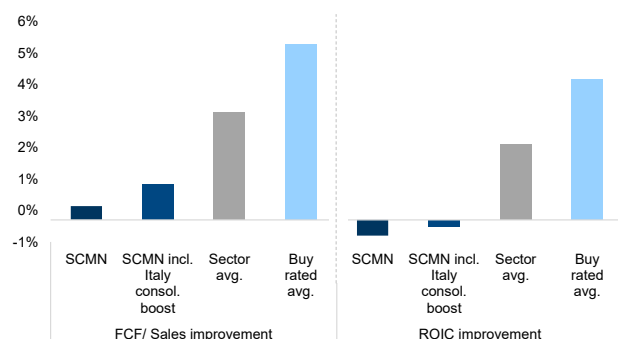
2024-28E EBITDA CAGR



Source: Goldman Sachs Global Investment Research

### Exhibit 3: Even with the Italy consolidation boost, SCMN returns improvement remains materially below peers

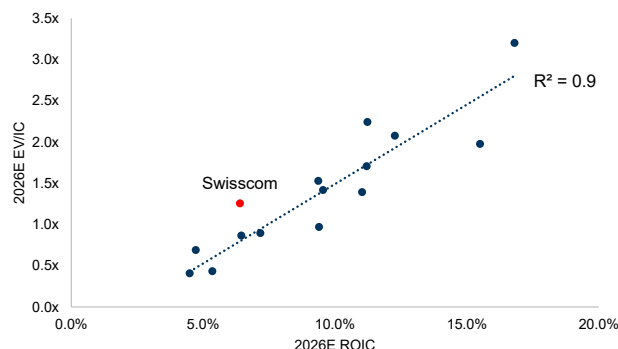
FCF/ Sales and ROIC improvement 2024-2028E SCMN vs sector



Source: Company data, Goldman Sachs Global Investment Research

### Exhibit 4: Swisscom is trading at a premium on EV/IC vs ROIC in 2026E

EV/IC 2026E vs ROIC 2026E



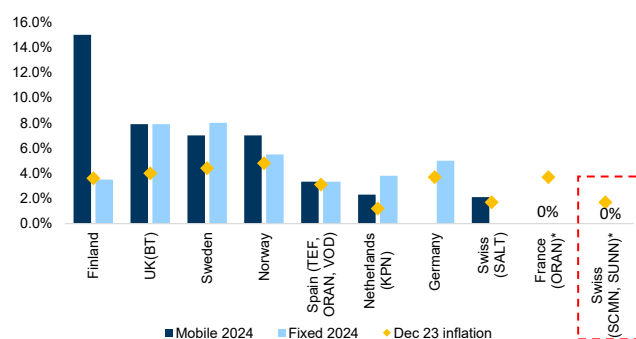
Source: FactSet, Goldman Sachs Global Investment Research

## Swiss telco market insufficient to support growth or returns improvement for Swisscom

Both the mobile and fixed markets in Switzerland are 3-player markets, but are imbalanced in terms of market share, with the smallest competing for scale. Most importantly, Swisscom's competitors, Sunrise and Salt, can rent its fibre on contracts with network-owner economics. This means sub-scale operator Salt is incentivised to price aggressively. Despite recent commentary from Sunrise aiming to reduce promotional intensity, Swisscom still has a material pricing gap vs other players. The absence of price increases and continuing share losses place Swisscom among the least well-positioned companies in terms of service revenue growth trends. Despite Swisscom outperforming its 2024 cost-cutting target, it still sees net SFr50mn pa in the mid-term, which we view as increasingly insufficient to offset cost headwinds and service revenue declines in Switzerland. Thus, we model domestic EBITDA to decline at a -0.8% 2024-28 CAGR vs +3.1% growth at peers.

### Exhibit 5: There were no price adjustments in Switzerland in 2024 and Swisscom plans no price increases in 2025

Backbook price increases across different markets, 2024 (% , yoy)

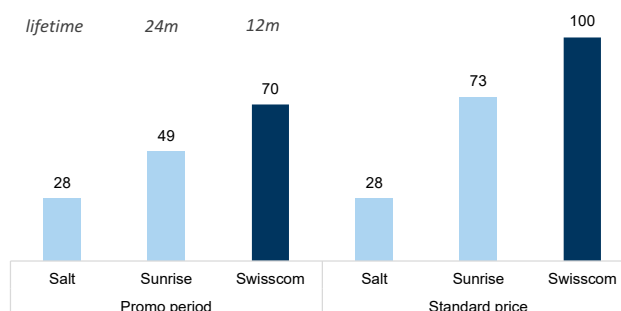


\* minor price adjustments for some services, no general prices increases

Source: Company data, Goldman Sachs Global Investment Research

### Exhibit 6: Swisscom still has significant pricing gap vs its competitors

Monthly mobile prices, CHF



Tariffs used: blue L/Up Mobile L/Swiss XXL for Swisscom/Sunrise/Salt

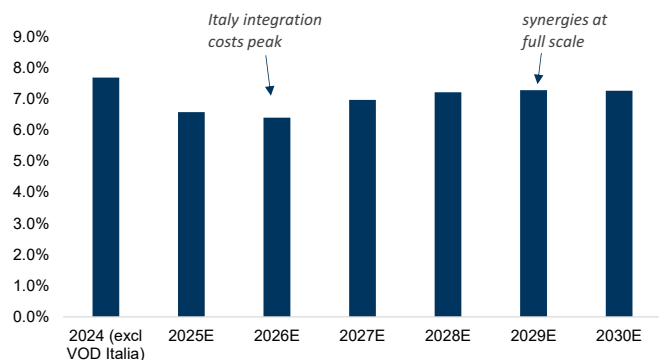
Source: Company data, Goldman Sachs Global Investment Research

## VOD Italy acquisition does not support a meaningful improvement in the group returns outlook

Swisscom has increased exposure to the Italian market following the completion of the Vodafone Italia acquisition. We note that consensus forecasts are yet to reflect estimates for the VOD Italy acquisition and the company have not yet released finalized proforma financials. We include the completed acquisition in our estimates and look in more detail at our forecasts and the potential Italian mobile market consolidation benefits. We expect the VOD Italia acquisition to drag on the group's ROIC in 2025-26 (primarily due to integration costs) with gradual improvement afterwards as integration costs fade and synergies ramp up. However, our analysis suggests that the synergies management expect do not offset the weak outlook for underlying Italian EBITDA and declining Switzerland. This means group EBITDA CAGR is just c.1% for 2024-28 vs the sector average of +4%. With persistently high Swiss capex, our outlook for the group's ROIC 2024-28 is -0.5pp, materially below the sector average of +2.4pp. Lastly, we show that while potential Italian mobile consolidation could improve group returns, Swisscom

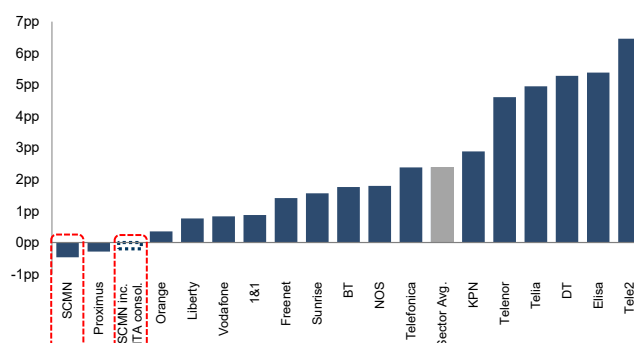
would still be in the bottom quartile vs the rest of the sector. We see materially higher upside for the best positioned stocks (see below).

**Exhibit 7: We expect the VOD Italia acquisition to drag on the group's ROIC in 2025-26, with gradual improvement afterwards as integration costs fade and synergies ramp up**  
ROIC 2024-30E



Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 8: ...But even with near full-scale Italy synergies and potential Italian consolidation boost, Swisscom would be at the bottom quartile returns improvement vs the rest of the sector**  
ROIC improvement 2024-28E including consolidation boost

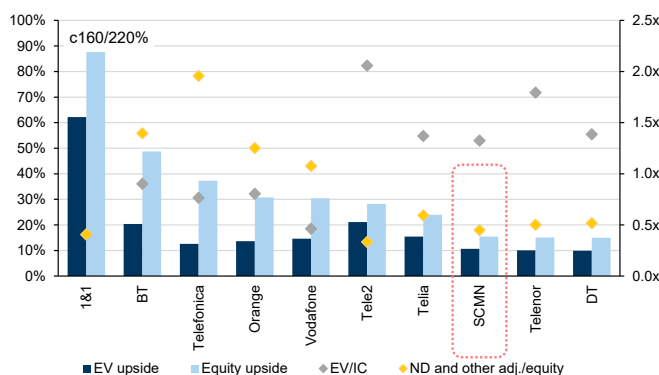


Source: Company data, Goldman Sachs Global Investment Research

### Potential for Italian market consolidation is not material enough to change our outlook for the shares

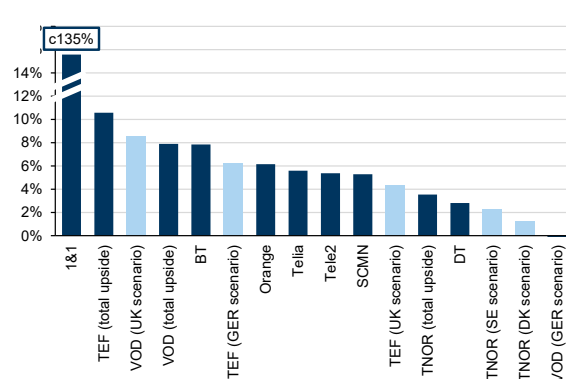
Recent reports of Italian mobile consolidation are supportive of our bullish Digital Infrastructure deregulation thesis. However, our analysis suggests that Swisscom has relatively muted upside potential from mobile market consolidation given the three-player Swiss market structure and relatively limited exposure to the four-player Italian market; if that were to happen, we would not expect it to materially change our outlook for the shares. We see higher upside in stocks with higher exposure to 4-player mobile markets and/or higher gearing, namely: BT, TEF, Tele2, Telia, ORAN, 1&1/UTDI.

**Exhibit 9: Swisscom has relatively muted upside potential from Italian mobile market consolidation**  
Implied EV & equity upside in a consolidation scenario (LHS) and EV/IC & ND and other adj./equity (RHS), assuming 6-10% EV/IC re-rating



Source: Goldman Sachs Global Investment Research

**Exhibit 10: Swisscom has lower FCF upside than companies with higher exposure to 4-player mobile markets**  
Potential consolidation upside to 2028E Group FCF for exposed names



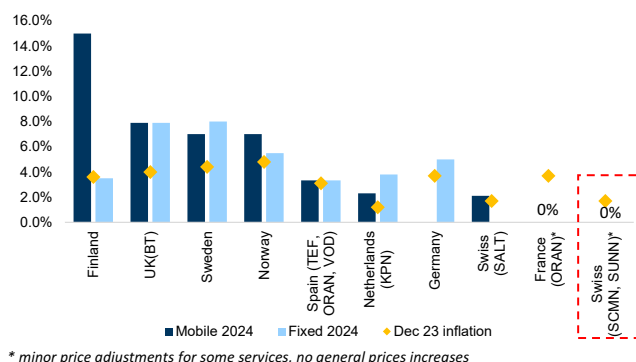
Source: Goldman Sachs Global Investment Research

## Competition hinders pricing power, driving continuing share losses and limiting returns improvement

Our Sell thesis on Swisscom is predicated on our view that the Swiss telco market cannot support growth for Swisscom in the medium term. This reflects two key factors: 1) most importantly a challenging market structure in fibre - uniquely in Europe, Sunrise and Salt can rent Swisscom fibre on contracts with network-owner economics. However, Swisscom acknowledges that some players are incentivised to price aggressively which undermines the scope to develop pricing power with fibre; 2) the mobile market is 3-player but imbalanced in terms of market shares, driving price competition. This means Swisscom's service revenue declines at a -1.5% CAGR (2024-28E), on our estimates, and with cost-cutting opportunities lower than those available historically, domestic EBITDA falls at a -0.8% CAGR (2024-28E). In Italy, we model gradual EBITDA improvement afterwards as integration costs fade and synergies ramp up. However, declining Switzerland, even after achieving near full-scale synergies in Italy would lead to group EBITDAaL CAGR of c. 1% (2024-28E) vs the sector average of +4%. This, together with persistently high Swiss capex, weighs on our outlook for the group's returns, making them less attractive vs peers, particularly vs the ramping growth and returns of the best-positioned stocks. We model +0.4pp/-0.5pp FCF/sales and ROIC improvement in 2024-28E, materially below the sector average of +3.4pp/+2.4pp.

**Exhibit 11: There were no price increases in Switzerland on the back of the intense competition**

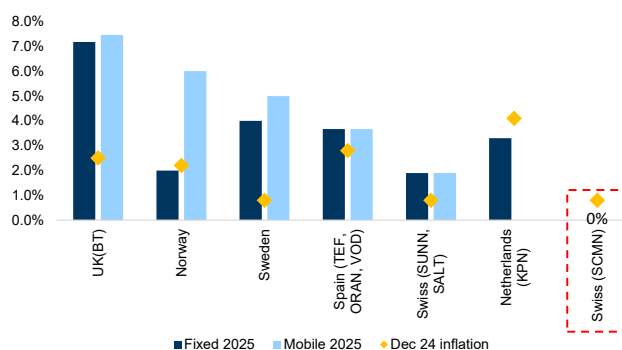
Backbook price increases across different markets, 2024 (% , yoy)



Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 12: ...And Swisscom plans no price increases in 2025**

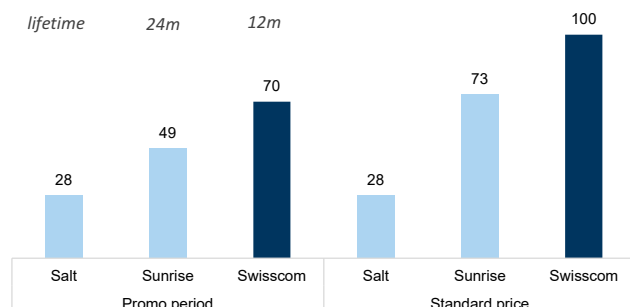
Backbook price increases across different markets, 2025 - where announced (% , yoy)



Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 13: Swisscom still has significant pricing gap in mobile vs Sunrise and Salt...**

Monthly mobile prices, CHF

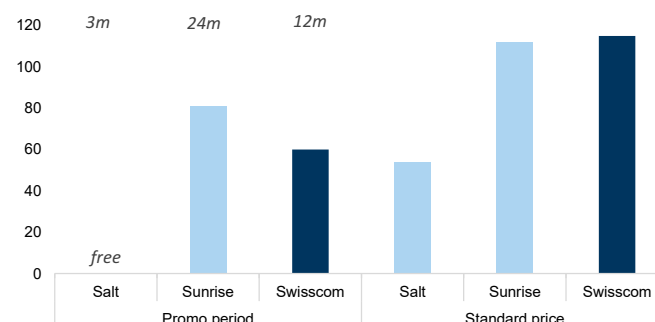


Tariffs used: blue L/Up Mobile L/Swiss XXL for Swisscom/Sunrise/Salt

Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 14: ...and significant premium to Salt's fixed prices**

Monthly fixed prices, CHF

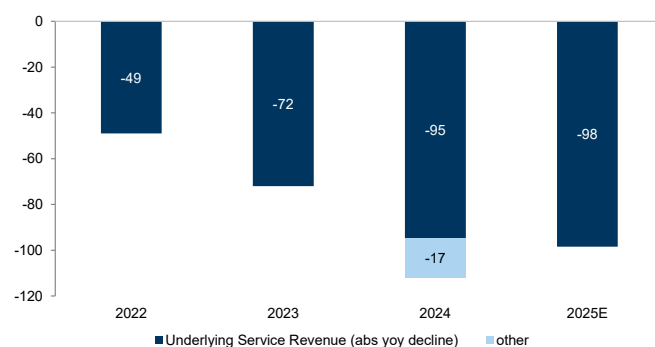


Tariffs used: blue L+TV M for Swisscom, Up Home XL incl. TV for Sunrise and Salt Home

Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 15: Next year service revenue loss to be higher than 2024, on an underlying basis**

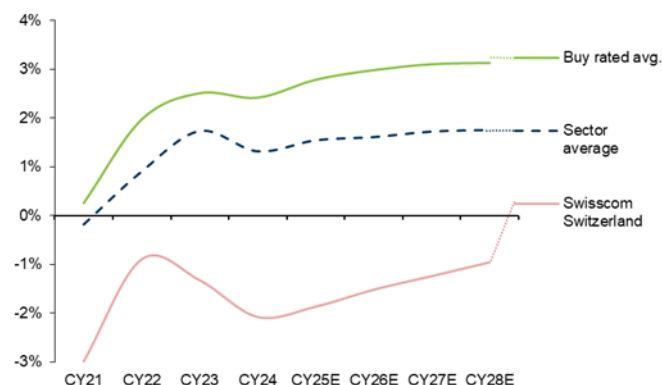
Absolute Service revenue decline YoY



Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 16: This, coupled with continued share losses, places Swisscom among least well-positioned companies in terms of service revenue growth**

Annual service revenue growth



Source: Company data, Goldman Sachs Global Investment Research

**Taking a deeper look into the reasons the Swiss market does not grow**

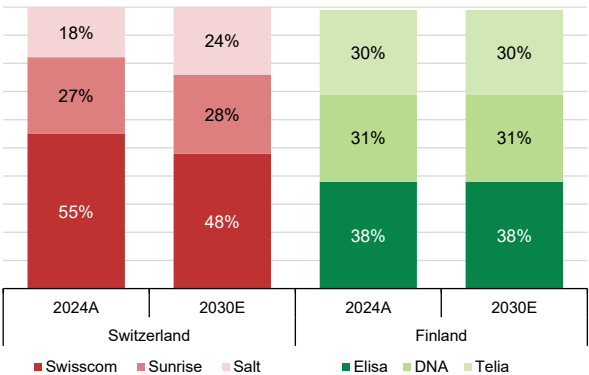
While the Swiss macro environment is consistently strong and the Swiss mobile market is a three-player one (vs. four in most of Europe), the Swiss telco market does not show growth. This is due to fixed broadband, where competitors Salt (Not Covered) and Sunrise have highly attractive fibre rental economics on Swisscom's fibre network owing to the regulatory backdrop. This is unique across Europe. Salt is using these network-owner-like economics to price aggressively and build its market share from the low c.5% it currently has. The exact details of the rental contracts (known as IRUs – Indefeasible Rights of Use) are not disclosed. However, we have attempted to model the impact of Sunrise migrating its customer base in scale to rent Swisscom's fibre network. For more details on IRU economics and potential FCF impact to Sunrise, see [here](#). We believe we are a long way from the point at which Salt has sufficient scale to recalibrate pricing.

The mobile market: the Swiss mobile market is 3-player (vs. 4 in most of Europe). However, as our charts below highlight, the market is imbalanced, with Salt incentivised to compete on price to take scale. This price-aggressive growth strategy has driven consistent ARPU declines across the market. While such pressure on Swiss mobile pricing is likely to end in the next few years, once Salt has reached sufficient scale, it is hard to estimate exactly when this will be. Consistent with other market precedents, it could happen once Salt has reached 25-30% market share, in our view, which we assume happens in 2031-35.

The fixed broadband market: this segment of the Swiss market has a growth problem that is likely to persist for longer than in the mobile market, in our view. The key reason is that competitors Salt and Sunrise have highly attractive fibre rental economics on Swisscom’s fibre network. This economic hurdle, which is unique across Europe, is part of the regulatory framework and is unlikely to change in the medium to long term, in our view. Salt is using these network-owner-like economics to price aggressively and build its market share from the low c.5% it currently has. As in the mobile market, we would expect the pricing pressure from Salt to abate once it has reached sufficient scale. In fixed broadband, we believe that ‘sufficient scale’ for Salt is likely to be lower than in mobile – perhaps around 15-20%, based on other market precedents. However, our extrapolation of current trends suggests that Salt is unlikely to reach this scale until 2035-40.

**Exhibit 17: The Swiss mobile market is 3-player, which typically indicates quality, but these benefits are somewhat undermined by asymmetric market shares**

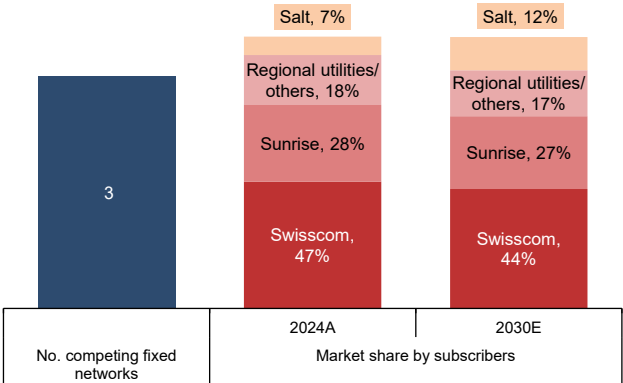
Mobile market share by no. subscribers example: Switzerland vs. Finland (2024A vs. 2030E)



Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 18: The low cost to rent fibre in Switzerland, supported by the regulator, means there is a high number of fixed competitors with owner-like economics. This, combined with a subscale player, limits the market growth potential**

No. of network owners today and broadband market share by no. of subscribers, 2024A vs. 2030E

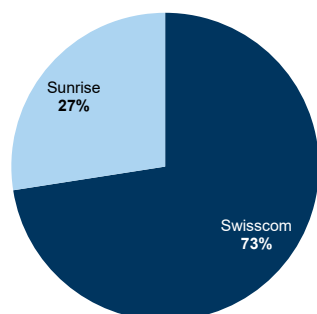


Source: Company data, Goldman Sachs Global Investment Research



**Exhibit 19: Swisscom has disproportionately high market share in B2B today**

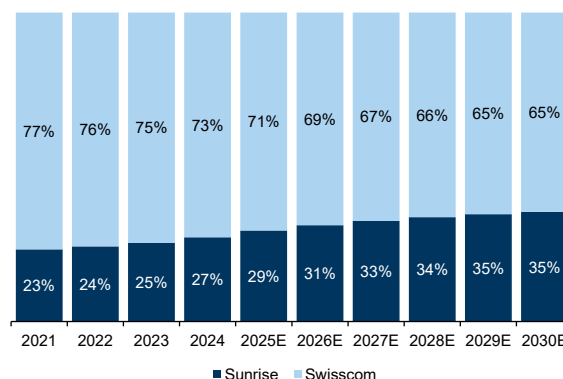
Swiss B2B Service Revenue market share, 2024A



Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 20: We see continued market share loss for Swisscom in B2B**

B2B service revenue market share

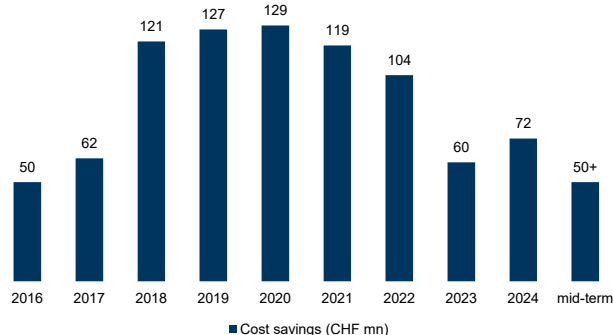


Source: Company data, Goldman Sachs Global Investment Research

Despite Swisscom having outperformed its 2024 cost-cutting target, it continues to see net SFr50mn pa in the mid-term compared to the cSFr100mn average net savings over the last 5 years. This is due to the fading gross savings as well as cost headwinds it is facing. We view the cost-cutting as increasingly insufficient to offset cost headwinds and service revenue declines in Switzerland. We model a domestic 2024-28 EBITDAaL CAGR of -0.3% vs the telco incumbent average at +c.3%.

**Exhibit 21: Management now sees CHF50+mn net cost saving pa, which we believe is not enough to offset service revenue declines...**

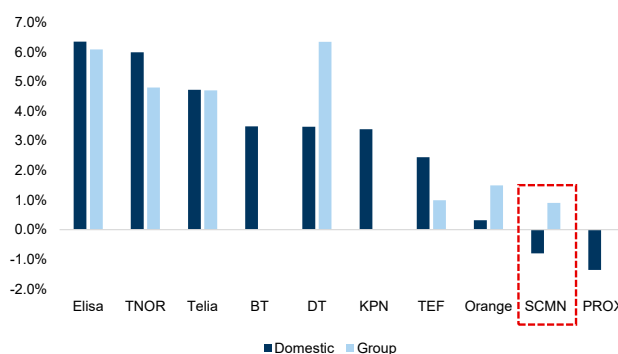
Swisscom net cost savings, CHF mn



Source: Company data

**Exhibit 22: Swisscom's domestic and group EBITDA growth significantly lags the rest of the sector**

2024-28E EBITDA CAGR



Source: Goldman Sachs Global Investment Research

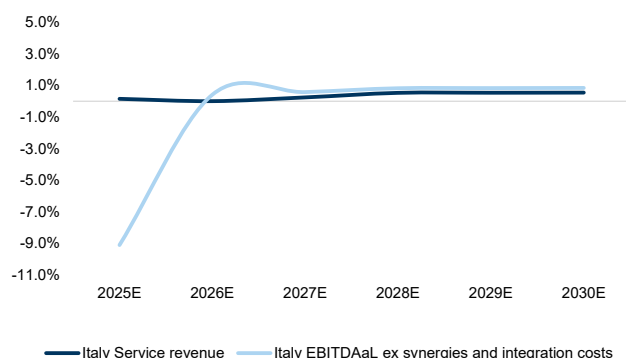
**Italy in more detail: Competition remains intense, synergies and potential consolidation benefits do not offset weak underlying growth and declining Switzerland**

Following the Vodafone Italia acquisition, Swisscom has increased exposure to the Italian telco market. We expect the VOD Italia acquisition to drag on the group's ROIC in 2025-26 (primarily due to integration costs), with gradual improvement afterwards as integration costs fade and synergies ramp up. However, the Italian telco market is a highly competitive 4-player mobile and fixed market, and we do not expect underlying (ex-synergies and integration costs) VOD Italia service revenues and EBITDA to grow in the mid-term. Overall, our analysis suggests that the synergies that management expect

are unlikely to offset our outlook for weak underlying Italian EBITDA and declining Switzerland. This means group EBITDAaL CAGR of just +c.1% 2024-28 vs the sector average of +4%. This, together with persistently high Swiss capex, will likely weigh on the group's returns outlook, making them less attractive vs peers, particularly vs the ramping growth and returns of the best-positioned stocks.

#### Exhibit 23: We expect marginal growth in total EBITDAaL of Italy segment

Italy segment (incl Fastweb and Vodafone Italia) service revenue and EBITDAaL growth (pre synergies and integration costs)

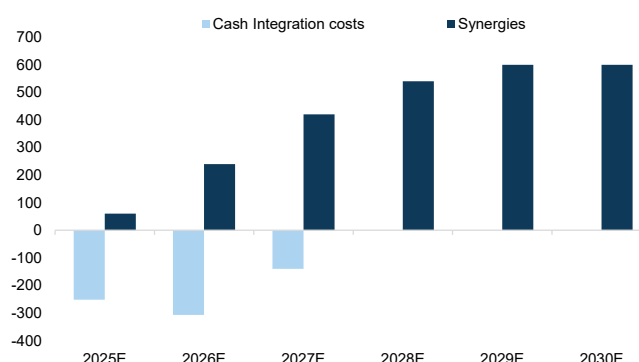


Total revenues for Fastweb

Source: Goldman Sachs Global Investment Research

#### Exhibit 24: We forecast synergies to start to offset integration costs only from 2027

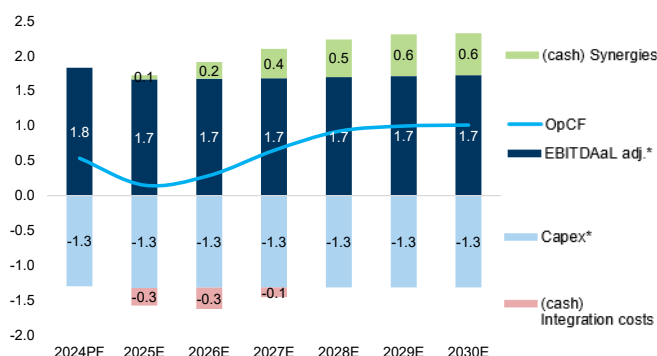
Italy cash integration costs and synergies, SFr mn



Source: Goldman Sachs Global Investment Research

#### Exhibit 25: ...Which means OpFCF will be suppressed in 2025-26 and will begin to recover more significantly from 2027

Italy segment OpFCF breakdown, SFr bn

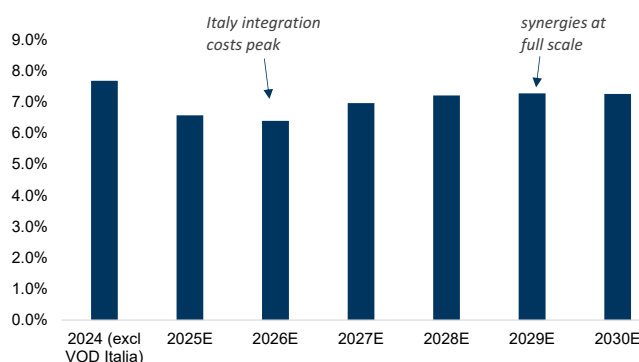


\*EBITDAaL ex synergies and integration costs; Capex adjusted for 70/50mn costs in 2024/25 to be compensated by Vodafone

Source: Goldman Sachs Global Investment Research

#### Exhibit 26: Thus, we expect the VOD Italia acquisition to drag on the group's ROIC in 2025-26, with gradual improvement afterwards as integration costs fade and synergies ramp up

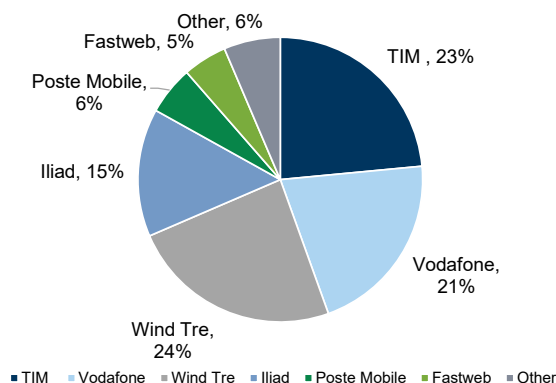
ROIC 2024-30E



Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 27: The Italian market is a highly competitive 4-player mobile market...**

Italian implied mobile market share, % (3Q24)

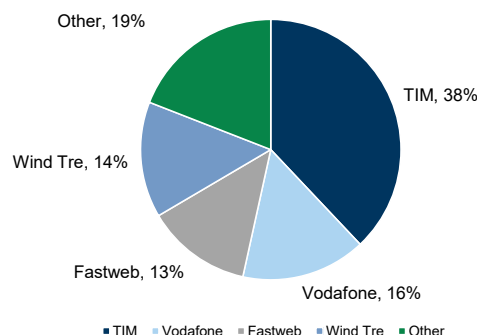


Implied = based on blended prepaid and postpaid market shares for Human SIM only

Source: Agcom, Company data, Goldman Sachs Global Investment Research

**Exhibit 28: ...and a highly competitive fixed market**

Italian fixed market share, % (3Q24)



based on fixed access lines

Source: Company data, Goldman Sachs Global Investment Research, Agcom

**Potential Italian consolidation is not material enough to change our outlook for the shares**

Recent reports of Italian mobile consolidation are supportive of our bullish Digital Infrastructure deregulation thesis. However, our analysis suggests that Swisscom has relatively muted upside potential from mobile market consolidation given the three-player Swiss market structure and relatively limited exposure to the four-player Italian market; if that were to happen, **we would not expect it to materially change our outlook for the shares**. We see higher upside at stocks with higher exposure to 4-player mobile markets and/or higher gearing, namely: BT, TEF, Tele2, Telia, ORAN, 1&1/UTDI. **We also show in the below charts that while potential Italian mobile consolidation could improve group returns, Swisscom would still be in the bottom quartile vs the rest of the sector (Exhibit 29, Exhibit 31).**

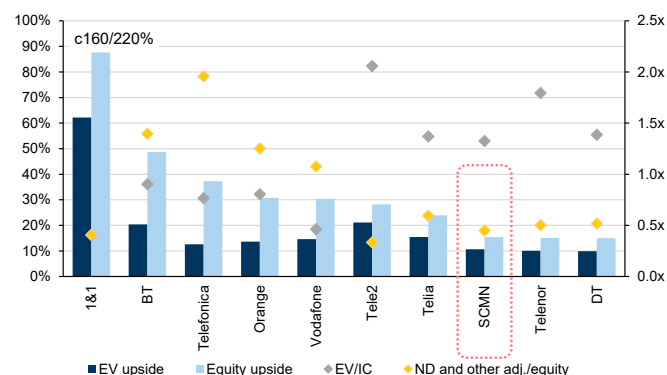
As set out in our Digital Infrastructure outlook note, our consolidation analysis assumes:

1. ROIC improvement, driven by c.1-2ppt pa boost to EBITDA growth from churn reduction (through margin improvement), based on historical precedents. We model the boost only for mobile EBITDA in consolidating markets. The uplift to EBITDA is then taxed and results in an FCF uplift and ROIC improvement. Overall, we see c.10% FCF uplift and 1pp higher ROIC on average for the exposed names;
2. A re-rating by 6%-10% on an EV basis for the stocks with limited to high exposure to 4-player mobile markets, accordingly (consistent with past performance when the backdrop has been supportive for consolidation).

For Swisscom, we model a c.7% boost to Italy EBITDA from market repair, we model a boost to Group EBITDA of c.3%; this translates into c.5% higher FCF and 0.3pp boost to group ROIC improvement. Our analysis suggests that in a scenario of 0.3pp ROIC improvement and a re-rating by 6% on an EV basis for Swisscom, the equity value could increase by c.15% (rising returns +6%; EV re-rating +9%).

**Exhibit 29: Swisscom has relatively muted upside potential from mobile market consolidation**

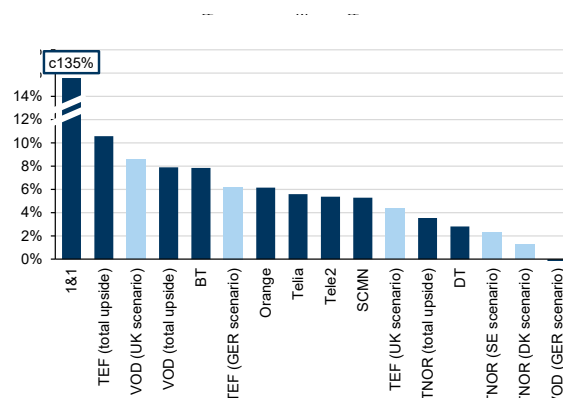
Implied EV & equity upside in a consolidation scenario (LHS) and EV/IC & ND and other adj./equity (RHS), assuming 6-10% EV/IC re-rating



Source: Goldman Sachs Global Investment Research

**Exhibit 30: Swisscom has lower FCF upside than companies with higher exposure to 4-player mobile markets**

Potential consolidation upside to 2028E Group FCF for exposed names



Source: Goldman Sachs Global Investment Research

**Exhibit 31: Stocks with the most upside from consolidation are those that have higher exposure to 4-player mobile markets and/or higher gearing & lower EV/IC**

Implied EV & equity upside in a consolidation scenario (LHS) and EV/IC & ND and other adj./equity (RHS), assuming 6-10% EV/IC re-rating

	Equity upside	EV upside	EV/IC	ND*/Equity	FCF upside	ROIC uplift
1&1	218%	155%	0.4x	0.4x	135%	3.7pp
BT	49%	20%	0.9x	1.4x	8%	0.6pp
Vodafone	32%	15%	0.4x	1.2x	8%	0.2pp
VOD Germany	-4%	-2%	-	-	-1%	0.0pp
VOD UK	36%	17%	-	-	9%	0.2pp
Telefonica	37%	13%	0.8x	2.0x	11%	0.4pp
TEF Germany	21%	7%	-	-	6%	0.2pp
TEF UK	16%	6%	-	-	4%	0.2pp
Orange	31%	14%	0.8x	1.3x	6%	0.3pp
Tele2	28%	21%	2.1x	0.3x	5%	0.8pp
Telia	24%	15%	1.4x	0.5x	6%	0.5pp
SCMN	15%	11%	1.3x	0.4x	5%	0.3pp
Telenor	15%	10%	1.8x	0.5x	4%	0.4pp
DT	15%	10%	1.4x	0.5x	3%	0.2pp

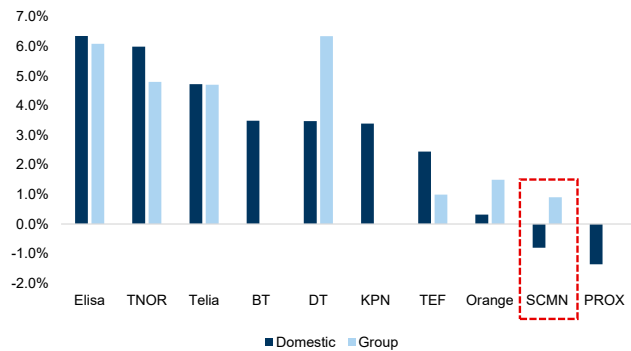
Source: Goldman Sachs Global Investment Research

**Swisscom's growth and returns improvement lags the sector due to weak Swiss and Italian market quality**

Overall, our negative view on the Swiss and Italian market means that on our forecasts, despite gradual Italian FCF ramp up as synergies reach the full scale, Swisscom's group growth and returns improvement lags the rest of the sector, where we see evidence of sustainable, mid-single-digit EBITDA growth driven by successful network monetisation and upselling. We model +0.4pp/-0.5pp FCF/sales and ROIC improvement in 2024-28E, materially below the sector average of +3.4pp/+2.4pp. Lastly, we show that while potential Italian mobile consolidation could improve returns, Swisscom would still be in

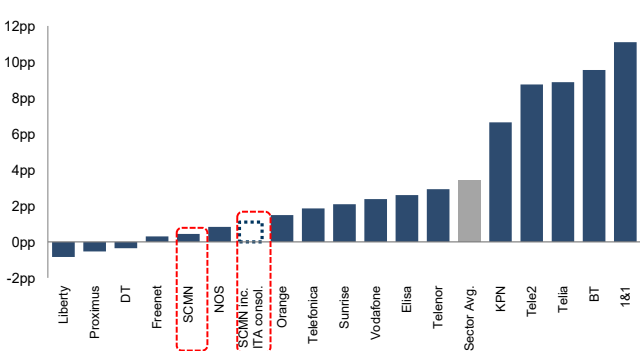
the bottom quartile vs the rest of the sector.

**Exhibit 32: Swisscom's domestic and group EBITDA growth significantly lags the rest of the sector**  
2024-28E EBITDA CAGR (domestic)



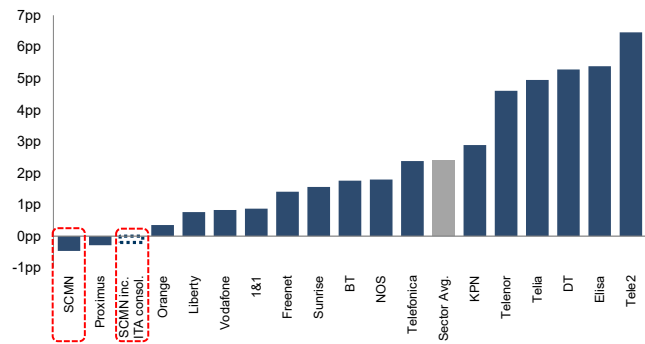
Source: Goldman Sachs Global Investment Research

**Exhibit 33: Swisscom's FCF/sales improvement is significantly below sector average...**  
2024-28E FCF/sales improvement including consolidation boost



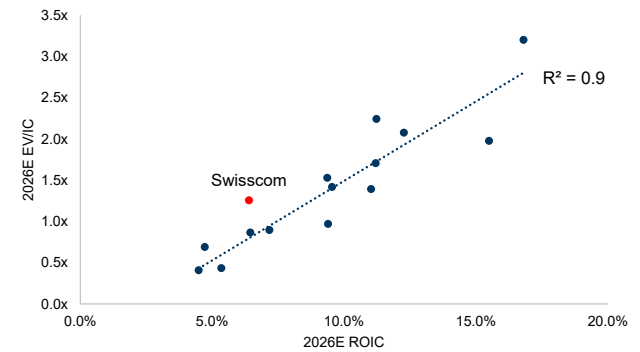
Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 34: ...as is its ROIC improvement**  
ROIC improvement 2024-28E including consolidation boost



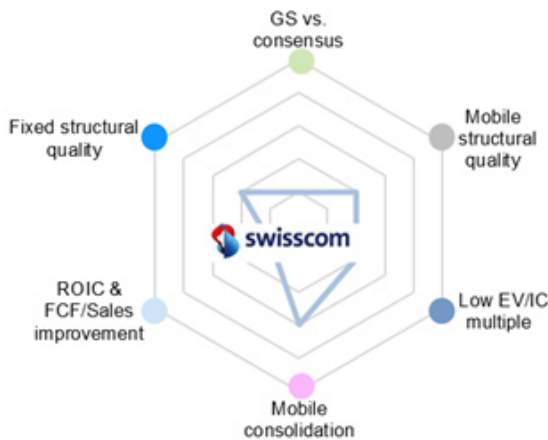
Source: Company data, Goldman Sachs Global Investment Research

**Exhibit 35: Swisscom is trading at a premium on EV/IC vs ROIC in 2026E**  
EV/IC 2026E vs ROIC 2026E



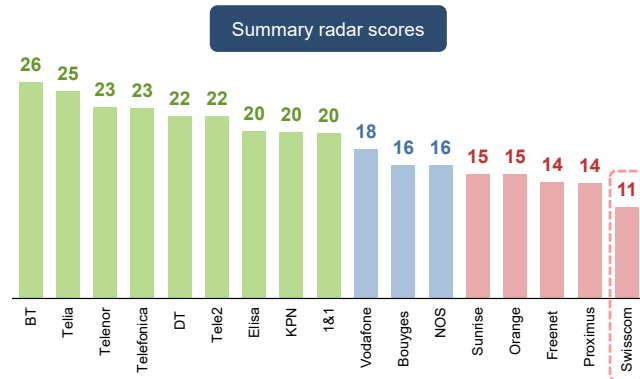
Source: FactSet, Goldman Sachs Global Investment Research

**Exhibit 36: Swisscom screens less favourable on our key stock-picking screens...**



Source: Goldman Sachs Global Investment Research

**Exhibit 37: ...and ranks the least well-positioned on our Digital Infrastructure radar score**  
Digital Infrastructure radar score



Source: Goldman Sachs Global Investment Research

# Summary Financials

## Exhibit 38: Summary financials

SFr mn

P&L	2023	2024	2025E	2026E	2027E	2028E
<b>Revenue</b>	<b>11,072</b>	<b>11,036</b>	<b>15,218</b>	<b>15,155</b>	<b>15,123</b>	<b>15,125</b>
Growth (%)	-0.4%	-0.3%	n.m.	-0.4%	-0.2%	0.0%
Switzerland	8,089	7,943	7,870	7,807	7,759	7,726
growth	-1.5%	-1.8%	-0.9%	-0.8%	-0.6%	-0.4%
Italy	2,556	6,919	6,846	6,846	6,862	6,897
growth	6.1%	n.m.	-1.1%	0.0%	0.2%	0.5%
<b>Total Swiss service revenue</b>	<b>5,401</b>	<b>5,289</b>	<b>5,191</b>	<b>5,112</b>	<b>5,049</b>	<b>5,000</b>
Organic Swiss service revenue growth	-1.3%	-2.1%	-1.9%	-1.5%	-1.2%	-1.0%
<b>EBITDAaL adjusted</b>	<b>4,622</b>	<b>4,355</b>	<b>6,563</b>	<b>6,685</b>	<b>6,921</b>	<b>7,018</b>
Growth (%)	3.2%	-7.2%	n.m.	1.8%	3.5%	1.4%
Margin (%)	41.7%	39.5%	43.1%	44.1%	45.8%	46.4%
Switzerland	3,426	3,378	3,332	3,305	3,287	3,275
growth	0.3%	-1.4%	-1.4%	-0.8%	-0.5%	-0.4%
Italy*	795	1,743	1,574	1,717	1,966	2,071
growth	-0.7%	n.m.	-8.6%	9.1%	14.5%	5.3%
EPS	33.0	29.8	32.9	34.8	38.4	40.0
DPS	22	22	26	27	28	29
<b>FCF and Net Debt</b>	<b>2023</b>	<b>2024</b>	<b>2025E</b>	<b>2026E</b>	<b>2027E</b>	<b>2028E</b>
Capex	2,292	2,312	3,142	3,108	3,058	2,895
% of sales	20.7%	20.9%	20.6%	20.5%	20.2%	19.1%
Switzerland	1,690	1,725	1,710	1,710	1,700	1,690
% of sales	20.9%	21.7%	21.7%	21.9%	21.9%	21.9%
Italy*	606	1,301	1,432	1,398	1,358	1,205
% of sales	23.7%	18.8%	20.9%	20.4%	19.8%	17.5%
<b>Swisscom OpFCF</b>	<b>2,042</b>	<b>1,752</b>	<b>1,847</b>	<b>1,996</b>	<b>2,278</b>	<b>2,534</b>
Change in net working capital	-133	13	-75	-40	-30	-10
Change in defined benefit obligations	-31	-5	15	0	0	0
Net interest paid	-77	-10	-238	-237	-236	-233
Income taxes paid	-313	-297	-306	-304	-309	-311
Other operating cash flows	-8	-16	1	-49	0	0
<b>FCF (co defined)</b>	<b>1,480</b>	<b>1,437</b>	<b>1,244</b>	<b>1,367</b>	<b>1,704</b>	<b>1,979</b>
growth (%)	0%	-3%	n.m.	10%	25%	16%
<b>FCF Gse</b>	<b>1,454</b>	<b>1,384</b>	<b>1,211</b>	<b>1,339</b>	<b>1,680</b>	<b>1,959</b>
Smoothed spectrum	-52	-51	-50	-49	-49	-48
<b>GS FCFe incl. smoothed spectrum</b>	<b>1,432</b>	<b>1,347</b>	<b>1,162</b>	<b>1,290</b>	<b>1,631</b>	<b>1,910</b>
<b>GS FCFf incl. smoothed spectrum</b>	<b>1,547</b>	<b>1,393</b>	<b>1,416</b>	<b>1,533</b>	<b>1,877</b>	<b>2,156</b>
Net debt ex leases	5,156	11,961	11,821	11,830	11,549	11,042
Net debt/EBITDAaL (x)	1.2x	2.9x	2.4x	2.3x	2.2x	2.0x

\*2024 PF

Source: Company data, Goldman Sachs Global Investment Research

## Estimate changes, valuation and key risks

### Estimate changes

We make changes to our estimates post 4Q24 results, primarily reflecting lower service revenue growth and lower Italy EBITDAaL, including due to the change in phasing of integration costs. As a result, our 2025-27E EBITDAaL and EPS are down 2.6%/4.6% on average.

#### Exhibit 39: Swisscom: Changes to estimates

CHF mn except per share data

CHF (mn)	After			Before			Changes to estimates (%)		
	2025E	2026E	2027E	2025E	2026E	2027E	2025E	2026E	2027E
B2C mobile service revenues	1,808	1,795	1,785	1,821	1,819	1,819	-0.7%	-1.3%	-1.8%
B2C fixed service revenues	1,939	1,916	1,897	1,945	1,925	1,910	-0.3%	-0.5%	-0.7%
B2B mobile service revenues	680	660	644	689	678	670	-1.4%	-2.6%	-3.8%
B2B fixed service revenues	763	740	722	772	754	742	-1.2%	-1.8%	-2.7%
Swiss service revenues	5,191	5,112	5,049	5,227	5,176	5,140	-0.7%	-1.2%	-1.8%
Swisscom Switzerland	7,870	7,807	7,759	7,935	7,900	7,879	-0.8%	-1.2%	-1.5%
Italy	6,921	6,921	6,937	6,829	6,828	6,842	1.4%	1.4%	1.4%
Other operating segments	427	427	427	426	422	418	0.1%	1.1%	2.2%
<b>Group Revenue</b>	<b>15,218</b>	<b>15,155</b>	<b>15,123</b>	<b>15,190</b>	<b>15,149</b>	<b>15,139</b>	<b>0.2%</b>	<b>0.0%</b>	<b>-0.1%</b>
Swisscom Switzerland	3,332	3,305	3,287	3,351	3,340	3,334	-0.6%	-1.1%	-1.4%
Italy	1,574	1,717	1,966	1,656	1,844	2,049	-4.9%	-6.9%	-4.1%
Other operating segments	83	83	83	93	88	83	-11.2%	-5.9%	-0.1%
<b>Group EBITDAaL</b>	<b>4,989</b>	<b>5,104</b>	<b>5,336</b>	<b>5,100</b>	<b>5,272</b>	<b>5,466</b>	<b>-2.2%</b>	<b>-3.2%</b>	<b>-2.4%</b>
Net income	1,702	1,802	1,988	1,779	1,911	2,065	-4.3%	-5.7%	-3.7%
<b>EPS</b>	<b>32.9</b>	<b>34.8</b>	<b>38.4</b>	<b>34.3</b>	<b>36.9</b>	<b>39.9</b>	<b>-4.3%</b>	<b>-5.7%</b>	<b>-3.7%</b>
DPS	26	27	28	26	26	26	0.0%	3.8%	7.7%
Capex (incl. spectrum)	-3,142	-3,108	-3,058	-3,119	-3,069	-3,018	0.8%	1.3%	1.3%
EBITDAaL - Capex	1,847	1,996	2,278	1,982	2,203	2,448	-6.8%	-9.4%	-6.9%
<b>FCF</b>	<b>1,211</b>	<b>1,339</b>	<b>1,680</b>	<b>1,269</b>	<b>1,511</b>	<b>1,778</b>	<b>-4.6%</b>	<b>-11.4%</b>	<b>-5.5%</b>

Source: Goldman Sachs Global Investment Research

## Valuation and key risks

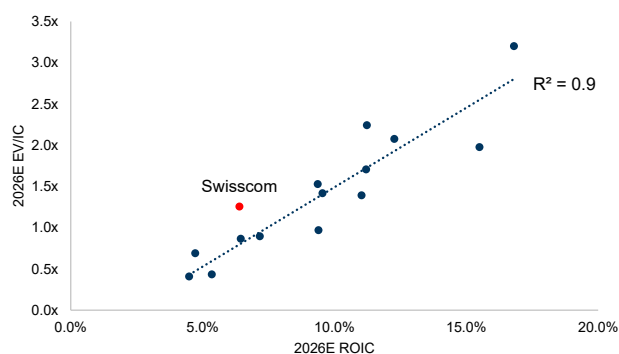
We are Sell rated on Swisscom. Our 12-month EV/IC to ROIC/WACC-based price target remains unchanged at SFr450.

### Key upside risks to our view and price target are:

- **Lower competitive intensity:** A more rational Swiss market environment would pose upside risk to our estimates and therefore price target. This could be brought about by the smaller player reaching sufficient scale sooner than we expect and therefore having less incentive to price aggressively. A more rational Italian market and/or mobile consolidation in Italy could also represent upside to our current estimates.
- **Better-than-expected cost-cutting:** If the company's cost cutting efforts are more successful than anticipated, this could contribute more to offsetting service revenue pressure and lead to lower EBITDA decline/EBITDA growth in Switzerland.
- **Higher synergies/lower integration costs related to VOD Italy acquisition:** As we have laid out above, while we incorporate the material synergies that Swisscom management expects into our estimates, these are not enough to offset declining Switzerland, weak underlying Italian growth and our overall outlook on the shares. However, the company realising more significant synergies and/or spending less on integration post the acquisition could represent an upside risk to our Italy/group FCF estimates.
- **Bond yields falling:** If Swiss bond yields fall, Swisscom's dividend yield would look more attractive vs. bond yields to yield-seeking investors. A catalyst for this could be the Swiss National Bank lowering interest rates.
- **Value-accretive M&A:** There is upside risk if Swisscom were to sell an asset or acquire an asset domestically/abroad at accretive terms.

**Exhibit 40: Swisscom is trading at a premium on EV/IC vs ROIC in 2026E...**

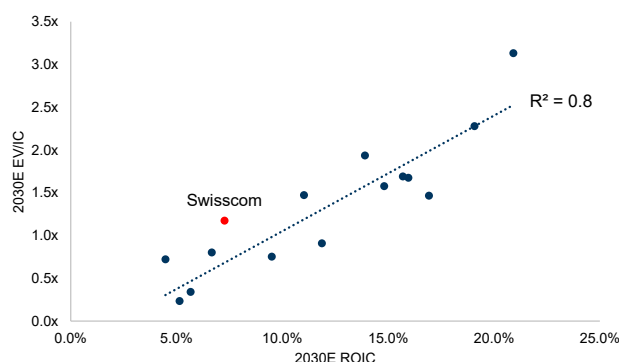
EV/IC 2026E vs ROIC 2026E



Source: FactSet, Goldman Sachs Global Investment Research

**Exhibit 41: ...and in 2030E**

EV/IC 2030E vs ROIC 2030E



Source: Factset, Goldman Sachs Global Investment Research



# Disclosure Appendix

## Reg AC

We, Andrew Lee, Anna Osenchugova, Halima Elyas and Sofija Rakicevic, hereby certify that all of the views expressed in this report accurately reflect our personal views about the subject company or companies and its or their securities. We also certify that no part of our compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in this report.

Unless otherwise stated, the individuals listed on the cover page of this report are analysts in Goldman Sachs' Global Investment Research division.

## GS Factor Profile

The Goldman Sachs Factor Profile provides investment context for a stock by comparing key attributes to the market (i.e. our universe of rated stocks) and its sector peers. The four key attributes depicted are: Growth, Financial Returns, Multiple (e.g. valuation) and Integrated (a composite of Growth, Financial Returns and Multiple). Growth, Financial Returns and Multiple are calculated by using normalized ranks for specific metrics for each stock. The normalized ranks for the metrics are then averaged and converted into percentiles for the relevant attribute. The precise calculation of each metric may vary depending on the fiscal year, industry and region, but the standard approach is as follows:

**Growth** is based on a stock's forward-looking sales growth, EBITDA growth and EPS growth (for financial stocks, only EPS and sales growth), with a higher percentile indicating a higher growth company. **Financial Returns** is based on a stock's forward-looking ROE, ROCE and CROCI (for financial stocks, only ROE), with a higher percentile indicating a company with higher financial returns. **Multiple** is based on a stock's forward-looking P/E, P/B, price/dividend (P/D), EV/EBITDA, EV/FCF and EV/Debt Adjusted Cash Flow (DACF) (for financial stocks, only P/E, P/B and P/D), with a higher percentile indicating a stock trading at a higher multiple. The **Integrated** percentile is calculated as the average of the Growth percentile, Financial Returns percentile and (100% - Multiple percentile).

Financial Returns and Multiple use the Goldman Sachs analyst forecasts at the fiscal year-end at least three quarters in the future. Growth uses inputs for the fiscal year at least seven quarters in the future compared with the year at least three quarters in the future (on a per-share basis for all metrics).

For a more detailed description of how we calculate the GS Factor Profile, please contact your GS representative.

## M&A Rank

Across our global coverage, we examine stocks using an M&A framework, considering both qualitative factors and quantitative factors (which may vary across sectors and regions) to incorporate the potential that certain companies could be acquired. We then assign a M&A rank as a means of scoring companies under our rated coverage from 1 to 3, with 1 representing high (30%-50%) probability of the company becoming an acquisition target, 2 representing medium (15%-30%) probability and 3 representing low (0%-15%) probability. For companies ranked 1 or 2, in line with our standard departmental guidelines we incorporate an M&A component into our target price. M&A rank of 3 is considered immaterial and therefore does not factor into our price target, and may or may not be discussed in research.

## Quantum

Quantum is Goldman Sachs' proprietary database providing access to detailed financial statement histories, forecasts and ratios. It can be used for in-depth analysis of a single company, or to make comparisons between companies in different sectors and markets.

## Disclosures

### Logo disclosure

Third party brands used in this report are the property of their respective owners, and are used here for informational purposes only. The use of such brands should not be viewed as an endorsement, affiliation or sponsorship by or for Goldman Sachs or any of its products/services.

**The rating(s) for Swisscom is/are relative to the other companies in its/their coverage universe:** 1&1 AG, Airtel Africa Plc, BT Group, Bouygues, Cellnex Telecom SAU, Deutsche Telekom, Elisa OYJ, Eutelsat Communications, Freenet, Grupa Pracuj SA, Infrastrutture Wireless SpA, Ionos SE, Liberty Global Plc, MTN Group, Nos SGPS, OTE, Orange, Proximus Plc, Royal KPN NV, Sunrise, Swisscom, Tele2, Telefonica, Telenor, Telia Co., United Internet, Vodacom, Vodafone

## Company-specific regulatory disclosures

The following disclosures relate to relationships between The Goldman Sachs Group, Inc. (with its affiliates, "Goldman Sachs") and companies covered by Goldman Sachs Global Investment Research and referred to in this research.

Goldman Sachs expects to receive or intends to seek compensation for investment banking services in the next 3 months: Swisscom (SFr529.50) and Swisscom (ADR) (\$34.81)

Goldman Sachs had an investment banking services client relationship during the past 12 months with: Swisscom (SFr529.50) and Swisscom (ADR) (\$34.81)

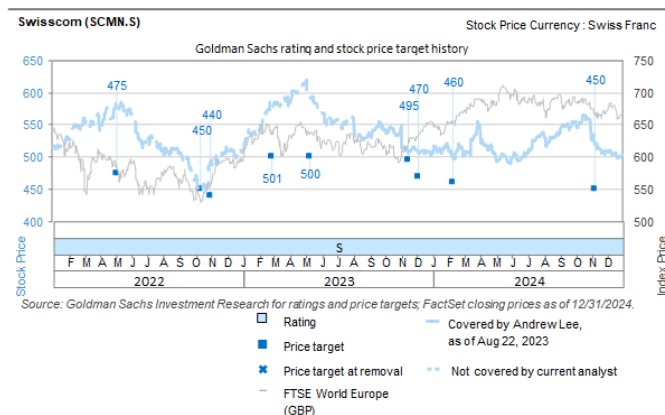
## Distribution of ratings/investment banking relationships

Goldman Sachs Investment Research global Equity coverage universe

	Rating Distribution			Investment Banking Relationships		
	Buy	Hold	Sell	Buy	Hold	Sell
Global	48%	34%	18%	64%	57%	43%

As of January 1, 2025, Goldman Sachs Global Investment Research had investment ratings on 3,021 equity securities. Goldman Sachs assigns stocks as Buys and Sells on various regional Investment Lists; stocks not so assigned are deemed Neutral. Such assignments equate to Buy, Hold and Sell for the purposes of the above disclosure required by the FINRA Rules. See 'Ratings, Coverage universe and related definitions' below. The Investment Banking Relationships chart reflects the percentage of subject companies within each rating category for whom Goldman Sachs has provided investment banking services within the previous twelve months.

## Price target and rating history chart(s)



The price targets shown should be considered in the context of all prior published Goldman Sachs research, which may or may not have included price targets, as well as developments relating to the company, its industry and financial markets.

## Regulatory disclosures

### Disclosures required by United States laws and regulations

See company-specific regulatory disclosures above for any of the following disclosures required as to companies referred to in this report: manager or co-manager in a pending transaction; 1% or other ownership; compensation for certain services; types of client relationships; managed/co-managed public offerings in prior periods; directorships; for equity securities, market making and/or specialist role. Goldman Sachs trades or may trade as a principal in debt securities (or in related derivatives) of issuers discussed in this report.

The following are additional required disclosures: **Ownership and material conflicts of interest:** Goldman Sachs policy prohibits its analysts, professionals reporting to analysts and members of their households from owning securities of any company in the analyst's area of coverage.

**Analyst compensation:** Analysts are paid in part based on the profitability of Goldman Sachs, which includes investment banking revenues. **Analyst as officer or director:** Goldman Sachs policy generally prohibits its analysts, persons reporting to analysts or members of their households from serving as an officer, director or advisor of any company in the analyst's area of coverage. **Non-U.S. Analysts:** Non-U.S. analysts may not be associated persons of Goldman Sachs & Co. LLC and therefore may not be subject to FINRA Rule 2241 or FINRA Rule 2242 restrictions on communications with subject company, public appearances and trading securities held by the analysts.

**Distribution of ratings:** See the distribution of ratings disclosure above. **Price chart:** See the price chart, with changes of ratings and price targets in prior periods, above, or, if electronic format or if with respect to multiple companies which are the subject of this report, on the Goldman Sachs website at <https://www.gs.com/research/hedge.html>.

### Additional disclosures required under the laws and regulations of jurisdictions other than the United States

The following disclosures are those required by the jurisdiction indicated, except to the extent already made above pursuant to United States laws and regulations. **Australia:** Goldman Sachs Australia Pty Ltd and its affiliates are not authorised deposit-taking institutions (as that term is defined in the Banking Act 1959 (Cth)) in Australia and do not provide banking services, nor carry on a banking business, in Australia. This research, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act, unless otherwise agreed by Goldman Sachs. In producing research reports, members of Global Investment Research of Goldman Sachs Australia may attend site visits and other meetings hosted by the companies and other entities which are the subject of its research reports. In some instances the costs of such site visits or meetings may be met in part or in whole by the issuers concerned if Goldman Sachs Australia considers it is appropriate and reasonable in the specific circumstances relating to the site visit or meeting. To the extent that the contents of this document contains any financial product advice, it is general advice only and has been prepared by Goldman Sachs without taking into account a client's objectives, financial situation or needs. A client should, before acting on any such advice, consider the appropriateness of the advice having regard to the client's own objectives, financial situation and needs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests and a copy of Goldman Sachs' Australian Sell-Side Research Independence Policy Statement are available at: <https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html>. **Brazil:** Disclosure information in relation to CVM Resolution n. 20 is available at <https://www.gs.com/worldwide/brazil/area/gir/index.html>. Where applicable, the Brazil-registered analyst primarily responsible for the content of this research report, as defined in Article 20 of CVM Resolution n. 20, is the first author named at the beginning of this report, unless indicated otherwise at the end of the text. **Canada:** This information is being provided to you for information purposes only and is not, and under no circumstances should be construed as, an advertisement, offering or solicitation by Goldman Sachs & Co. LLC for purchasers of securities in Canada to trade in any Canadian security. Goldman Sachs & Co. LLC is not registered as a dealer in any jurisdiction in Canada under applicable Canadian securities laws and generally is not permitted to trade in Canadian securities and may be prohibited from selling certain securities and products in certain jurisdictions in Canada. If you wish to trade in any Canadian securities or other products in Canada please contact Goldman Sachs Canada Inc., an affiliate of The Goldman Sachs Group Inc., or another registered Canadian dealer. **Hong Kong:** Further information on the securities of covered companies referred to in this research may be obtained on request from Goldman Sachs (Asia) L.L.C. **India:** Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (India) Securities Private Limited, Research Analyst - SEBI Registration Number INH000001493, 951-A, Rational House, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India, Corporate Identity Number U74140MH2006FTC160634, Phone +91 22 6616 9000, Fax +91 22 6616 9001. Goldman Sachs may beneficially own 1% or more of the securities (as such term is defined in clause 2 (h) the Indian Securities Contracts (Regulation) Act, 1956) of the subject company or companies referred to in this research report. Investment in securities market are subject to market risks. Read all the related documents carefully before investing. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Goldman Sachs (India) Securities Private Limited compliance officer and investor grievance contact details can be found at this link: <https://publishing.gs.com/disclosures/hedge.html#/general/equity>. **Japan:** See below. **Korea:** This research, and any access to it, is intended only for "professional investors" within the meaning of the Financial Services and Capital Markets Act, unless otherwise agreed by Goldman Sachs. Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (Asia) L.L.C., Seoul Branch. **New Zealand:** Goldman Sachs New Zealand Limited and its affiliates are neither "registered banks" nor "deposit takers" (as defined in the Reserve Bank of New Zealand Act 1989) in New Zealand. This research, and any access to it, is intended for "wholesale clients" (as defined in the Financial Advisers Act 2008) unless otherwise agreed by Goldman Sachs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests is available at:

<https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html>. **Russia:** Research reports distributed in the Russian Federation are not advertising as defined in the Russian legislation, but are information and analysis not having product promotion as their main purpose and do not provide appraisal within the meaning of the Russian legislation on appraisal activity. Research reports do not constitute a personalized investment recommendation as defined in Russian laws and regulations, are not addressed to a specific client, and are prepared without analyzing the financial circumstances, investment profiles or risk profiles of clients. Goldman Sachs assumes no responsibility for any investment decisions that may be taken by a client or any other person based on this research report. **Singapore:** Goldman Sachs (Singapore) Pte. (Company Number: 198602165W), which is regulated by the Monetary Authority of Singapore, accepts legal responsibility for this research, and should be contacted with respect to any matters arising from, or in connection with, this research. **Taiwan:** This material is for reference only and must not be reprinted without permission. Investors should carefully consider their own investment risk. Investment results are the responsibility of the individual investor. **United Kingdom:** Persons who would be categorized as retail clients in the United Kingdom, as such term is defined in the rules of the Financial Conduct Authority, should read this research in conjunction with prior Goldman Sachs research on the covered companies referred to herein and should refer to the risk warnings that have been sent to them by Goldman Sachs International. A copy of these risks warnings, and a glossary of certain financial terms used in this report, are available from Goldman Sachs International on request.

**European Union and United Kingdom:** Disclosure information in relation to Article 6 (2) of the European Commission Delegated Regulation (EU) (2016/958) supplementing Regulation (EU) No 596/2014 of the European Parliament and of the Council (including as that Delegated Regulation is implemented into United Kingdom domestic law and regulation following the United Kingdom's departure from the European Union and the European Economic Area) with regard to regulatory technical standards for the technical arrangements for objective presentation of investment recommendations or other information recommending or suggesting an investment strategy and for disclosure of particular interests or indications of conflicts of interest is available at <https://www.gs.com/disclosures/europeanpolicy.html> which states the European Policy for Managing Conflicts of Interest in Connection with Investment Research.

**Japan:** Goldman Sachs Japan Co., Ltd. is a Financial Instrument Dealer registered with the Kanto Financial Bureau under registration number Kinsho 69, and a member of Japan Securities Dealers Association, Financial Futures Association of Japan Type II Financial Instruments Firms Association, The Investment Trusts Association, Japan, and Japan Investment Advisers Association. Sales and purchase of equities are subject to commission pre-determined with clients plus consumption tax. See company-specific disclosures as to any applicable disclosures required by Japanese stock exchanges, the Japanese Securities Dealers Association or the Japanese Securities Finance Company.

## Ratings, coverage universe and related definitions

**Buy (B), Neutral (N), Sell (S)** Analysts recommend stocks as Buys or Sells for inclusion on various regional Investment Lists. Being assigned a Buy or Sell on an Investment List is determined by a stock's total return potential relative to its coverage universe. Any stock not assigned as a Buy or a Sell on an Investment List with an active rating (i.e., a stock that is not Rating Suspended, Not Rated, Early-Stage Biotech, Coverage Suspended or Not Covered), is deemed Neutral. Each region manages Regional Conviction Lists, which are selected from Buy rated stocks on the respective region's Investment Lists and represent investment recommendations focused on the size of the total return potential and/or the likelihood of the realization of the return across their respective areas of coverage. The addition or removal of stocks from such Conviction Lists are managed by the Investment Review Committee or other designated committee in each respective region and do not represent a change in the analysts' investment rating for such stocks.

**Total return potential** represents the upside or downside differential between the current share price and the price target, including all paid or anticipated dividends, expected during the time horizon associated with the price target. Price targets are required for all covered stocks. The total return potential, price target and associated time horizon are stated in each report adding or reiterating an Investment List membership.

**Coverage Universe:** A list of all stocks in each coverage universe is available by primary analyst, stock and coverage universe at <https://www.gs.com/research/hedge.html>.

**Not Rated (NR).** The investment rating, target price and earnings estimates (where relevant) are removed pursuant to Goldman Sachs policy when Goldman Sachs is acting in an advisory capacity in a merger or in a strategic transaction involving this company, when there are legal, regulatory or policy constraints due to Goldman Sachs' involvement in a transaction, and in certain other circumstances. **Early-Stage Biotech (ES).** An investment rating and a target price are not assigned pursuant to Goldman Sachs policy when this company neither has a drug, treatment or medical device that has passed a Phase II clinical trial nor a license to distribute a post-Phase II drug, treatment or medical device. **Rating Suspended (RS).** Goldman Sachs Research has suspended the investment rating and price target for this stock, because there is not a sufficient fundamental basis for determining an investment rating or target price. The previous investment rating and target price, if any, are no longer in effect for this stock and should not be relied upon. **Coverage Suspended (CS).** Goldman Sachs has suspended coverage of this company. **Not Covered (NC).** Goldman Sachs does not cover this company.

## Global product; distributing entities

Goldman Sachs Global Investment Research produces and distributes research products for clients of Goldman Sachs on a global basis. Analysts based in Goldman Sachs offices around the world produce research on industries and companies, and research on macroeconomics, currencies, commodities and portfolio strategy. This research is disseminated in Australia by Goldman Sachs Australia Pty Ltd (ABN 21 006 797 897); in Brazil by Goldman Sachs do Brasil Corretora de Títulos e Valores Mobiliários S.A.; Public Communication Channel Goldman Sachs Brazil: 0800 727 5764 and / or [contatogoldmanbrasil@gs.com](mailto:contatogoldmanbrasil@gs.com). Available Weekdays (except holidays), from 9am to 6pm. Canal de Comunicação com o Público Goldman Sachs Brasil: 0800 727 5764 e/ou [contatogoldmanbrasil@gs.com](mailto:contatogoldmanbrasil@gs.com). Horário de funcionamento: segunda-feira à sexta-feira (exceto feriados), das 9h às 18h; in Canada by Goldman Sachs & Co. LLC; in Hong Kong by Goldman Sachs (Asia) L.L.C.; in India by Goldman Sachs (India) Securities Private Ltd.; in Japan by Goldman Sachs Japan Co., Ltd.; in the Republic of Korea by Goldman Sachs (Asia) L.L.C., Seoul Branch; in New Zealand by Goldman Sachs New Zealand Limited; in Russia by OOO Goldman Sachs; in Singapore by Goldman Sachs (Singapore) Pte. (Company Number: 198602165W); and in the United States of America by Goldman Sachs & Co. LLC. Goldman Sachs International has approved this research in connection with its distribution in the United Kingdom.

Goldman Sachs International ("GSI"), authorised by the Prudential Regulation Authority ("PRA") and regulated by the Financial Conduct Authority ("FCA") and the PRA, has approved this research in connection with its distribution in the United Kingdom.

**European Economic Area:** GSI, authorised by the PRA and regulated by the FCA and the PRA, disseminates research in the following jurisdictions within the European Economic Area: the Grand Duchy of Luxembourg, Italy, the Kingdom of Belgium, the Kingdom of Denmark, the Kingdom of Norway, the Republic of Finland and the Republic of Ireland; GSI - Succursale de Paris (Paris branch) which is authorised by the French Autorité de contrôle prudentiel et de résolution ("ACPR") and regulated by the Autorité de contrôle prudentiel et de résolution and the Autorité des marchés financiers ("AMF") disseminates research in France; GSI - Sucursal en España (Madrid branch) authorized in Spain by the Comisión Nacional del Mercado de Valores disseminates research in the Kingdom of Spain; GSI - Sweden Bankfilial (Stockholm branch) is authorized by the SFSA as a "third country branch" in accordance with Chapter 4, Section 4 of the Swedish Securities and Market Act (Sw. lag (2007:528) om värdepappersmarknaden) disseminates research in the Kingdom of Sweden; Goldman Sachs Bank Europe SE ("GSBE") is a credit institution incorporated in Germany and, within the Single Supervisory Mechanism, subject to direct prudential supervision by the European Central Bank and in other respects supervised by German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, BaFin) and Deutsche Bundesbank and disseminates research

in the Federal Republic of Germany and those jurisdictions within the European Economic Area where GSI is not authorised to disseminate research and additionally, GSBE, Copenhagen Branch filial af GSBE, Tyskland, supervised by the Danish Financial Authority disseminates research in the Kingdom of Denmark; GSBE - Sucursal en España (Madrid branch) subject (to a limited extent) to local supervision by the Bank of Spain disseminates research in the Kingdom of Spain; GSBE - Succursale Italia (Milan branch) to the relevant applicable extent, subject to local supervision by the Bank of Italy (Banca d'Italia) and the Italian Companies and Exchange Commission (Commissione Nazionale per le Società e la Borsa "Consob") disseminates research in Italy; GSBE - Succursale de Paris (Paris branch), supervised by the AMF and by the ACPR disseminates research in France; and GSBE - Sweden Bankfilial (Stockholm branch), to a limited extent, subject to local supervision by the Swedish Financial Supervisory Authority (Finansinspektionen) disseminates research in the Kingdom of Sweden.

## General disclosures

This research is for our clients only. Other than disclosures relating to Goldman Sachs, this research is based on current public information that we consider reliable, but we do not represent it is accurate or complete, and it should not be relied on as such. The information, opinions, estimates and forecasts contained herein are as of the date hereof and are subject to change without prior notification. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Other than certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the analyst's judgment.

Goldman Sachs conducts a global full-service, integrated investment banking, investment management, and brokerage business. We have investment banking and other business relationships with a substantial percentage of the companies covered by Global Investment Research. Goldman Sachs & Co. LLC, the United States broker dealer, is a member of SIPC (<https://www.sipc.org>).

Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and principal trading desks that reflect opinions that are contrary to the opinions expressed in this research. Our asset management area, principal trading desks and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

The analysts named in this report may have from time to time discussed with our clients, including Goldman Sachs salespersons and traders, or may discuss in this report, trading strategies that reference catalysts or events that may have a near-term impact on the market price of the equity securities discussed in this report, which impact may be directionally counter to the analyst's published price target expectations for such stocks. Any such trading strategies are distinct from and do not affect the analyst's fundamental equity rating for such stocks, which rating reflects a stock's return potential relative to its coverage universe as described herein.

We and our affiliates, officers, directors, and employees will from time to time have long or short positions in, act as principal in, and buy or sell, the securities or derivatives, if any, referred to in this research, unless otherwise prohibited by regulation or Goldman Sachs policy.

The views attributed to third party presenters at Goldman Sachs arranged conferences, including individuals from other parts of Goldman Sachs, do not necessarily reflect those of Global Investment Research and are not an official view of Goldman Sachs.

Any third party referenced herein, including any salespeople, traders and other professionals or members of their household, may have positions in the products mentioned that are inconsistent with the views expressed by analysts named in this report.

This research is not an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. The price and value of investments referred to in this research and the income from them may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.

Certain transactions, including those involving futures, options, and other derivatives, give rise to substantial risk and are not suitable for all investors. Investors should review current options and futures disclosure documents which are available from Goldman Sachs sales representatives or at <https://www.theocc.com/about/publications/character-risks.jsp> and

[https://www.fiadocumentation.org/fia/regulatory-disclosures\\_1/fia-uniform-futures-and-options-on-futures-risk-disclosures-booklet-pdf-version-2018](https://www.fiadocumentation.org/fia/regulatory-disclosures_1/fia-uniform-futures-and-options-on-futures-risk-disclosures-booklet-pdf-version-2018).

Transaction costs may be significant in option strategies calling for multiple purchase and sales of options such as spreads. Supporting documentation will be supplied upon request.

**Differing Levels of Service provided by Global Investment Research:** The level and types of services provided to you by Goldman Sachs Global Investment Research may vary as compared to that provided to internal and other external clients of GS, depending on various factors including your individual preferences as to the frequency and manner of receiving communication, your risk profile and investment focus and perspective (e.g., marketwide, sector specific, long term, short term), the size and scope of your overall client relationship with GS, and legal and regulatory constraints. As an example, certain clients may request to receive notifications when research on specific securities is published, and certain clients may request that specific data underlying analysts' fundamental analysis available on our internal client websites be delivered to them electronically through data feeds or otherwise. No change to an analyst's fundamental research views (e.g., ratings, price targets, or material changes to earnings estimates for equity securities), will be communicated to any client prior to inclusion of such information in a research report broadly disseminated through electronic publication to our internal client websites or through other means, as necessary, to all clients who are entitled to receive such reports.

All research reports are disseminated and available to all clients simultaneously through electronic publication to our internal client websites. Not all research content is redistributed to our clients or available to third-party aggregators, nor is Goldman Sachs responsible for the redistribution of our research by third party aggregators. For research, models or other data related to one or more securities, markets or asset classes (including related services) that may be available to you, please contact your GS representative or go to <https://research.gs.com>.

Disclosure information is also available at <https://www.gs.com/research/hedge.html> or from Research Compliance, 200 West Street, New York, NY 10282.

### © 2025 Goldman Sachs.

You are permitted to store, display, analyze, modify, reformat, and print the information made available to you via this service only for your own use. You may not resell or reverse engineer this information to calculate or develop any index for disclosure and/or marketing or create any other derivative works or commercial product(s), data or offering(s) without the express written consent of Goldman Sachs. You are not permitted to publish, transmit, or otherwise reproduce this information, in whole or in part, in any format to any third party without the express written consent of Goldman Sachs. This foregoing restriction includes, without limitation, using, extracting, downloading or retrieving this information, in whole or in part, to train or finetune a machine learning or artificial intelligence system, or to provide or reproduce this information, in whole or in part, as a prompt or input to any such system.