

In November/2019 there were the following securities and derivatives operations, in accordance with article 11 of CVM Instruction 358/2002.

Company Name: TIM PARTICIPAÇÕES S.A.						
Group and Related Parties	(X) Board of Directors	() Executive Management	() Fiscal Council	() Technical or Advisory Bodies	() Controlling Shareholder	() People connected to the management
Opening Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		9,920	0.000005%	Total 0.000005%
Closing Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		9,920	0.000005%	Total 0.000005%

Company Name: TIM PARTICIPAÇÕES S.A.						
Group and Related Parties	() Board of Directors	(X) Executive Management	() Fiscal Council	() Technical or Advisory Bodies	() Controlling Shareholder	() People connected to the management
Opening Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		205,965	0.008507%	Total 0.008507%
Closing Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		205,965	0.008507%	Total 0.008507%

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Group and Related Parties	() Board of Directors	() Executive Management	(X) Fiscal Council	() Technical or Advisory Bodies	() Controlling Shareholder	() People connected to the management
Opening Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		0	0.000000%	Total 0.000000%
Closing Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		0	0.000000%	Total 0.000000%

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Group and Related Parties	() Board of Directors	() Executive Management	() Fiscal Council	(X) Technical or Advisory Bodies	() Controlling Shareholder	() People connected to the management
Opening Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		0	0.000000%	Total 0.000000%
Closing Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		0	0.000000%	Total 0.000000%

Company Name: TIM PARTICIPAÇÕES S.A.						
Group and Related Parties	() Board of Directors	() Executive Management	() Fiscal Council	() Technical or Advisory Bodies	(X) Controlling Shareholder	() People connected to the management
Opening Balance						
Security / Derivative		Security Description		Quantity*	Same Type / Class	% Share
Shares		Common Registered		1,611,969,946	66.581922%	Total 66.581922%
Closing Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		1,611,969,946	66.581922%	Total 66.581922%

*On August 13, 1,073,464 shares were transferred to TIM Brasil due to the signing of the Fiduciary Sale agreement.

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Opening Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		0	0.000000%	Total 0.000000%
Closing Balance						
Security / Derivative		Security Description		Quantity	Same Type / Class	% Share
Shares		Common Registered		0	0.000000%	Total 0.000000%