Quarterly Industry Update

As of March 31, 2017

Industry: Aerospace and Defense



Industry Summary

Cogent Valuation identified Aerospace and Defense publicly traded companies, IPOs, and recent M&A transactions within the Aerospace and Defense industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since March 31, 2016, the median 52-week share price return of the Aerospace and Defense industry was 18.2%. Between March 31, 2015 and March 31, 2017, the median EV/EBITDA multiple increased from 10.6 to 11.8. Furthermore, the median price-to-earnings multiple increased from 23.5 to 24.5 over the same period.

Median 52-Week Return	21.7%	Median EV/Revenue Multiple					1.5x Median Price/Earnings Multiple					
Median Year-to-Date Return	2.7%	Median EV/EBITDA Multiple				11.8x Median EV/Gross CF Multiple						
Comparable Public Company Market Price Returns (As of March 31, 2017)												
	YTD	3 Month	1 Year	2 Year	3 Year	5 Year	2016	2015	2014	2013	2012	
AAR Corp.	1.8%	1.8%	44.5%	4.7%	9.0%	13.0%	25.7%	-5.4%	-0.8%	49.9%	-2.6%	
Ability Inc.	-28.5%	-28.5%	-68.1%	N/A	N/A	N/A	-72.0%	N/A	N/A	N/A	N/A	
Aerojet Rocketdyne Holdings, Inc.	20.9%	20.9%	32.5%	-3.3%	5.9%	25.0%	14.6%	-14.4%	1.6%	96.9%	72.0%	
AeroVironment, Inc.	4.5%	4.5%	-1.0%	2.8%	-11.4%	0.9%	-9.0%	8.1%	-6.5%	34.0%	-30.9%	
Air Industries Group	15.9%	15.9%	-39.9%	-40.0%	-27.0%	2.9%	-61.3%	-22.5%	17.1%	23.5%	146.49	
Arconic Inc.	42.1%	42.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Arotech Corporation	-15.7%	-15.7%	21.4%	-2.4%	-22.0%	18.9%	71.6%	-12.1%	-33.5%	238.8%	-14.2%	
Astronics Corporation	-6.2%	-6.2%	-4.4%	-24.5%	-7.4%	11.6%	-4.4%	-15.4%	30.1%	167.5%	-36.1%	
Astrotech Corporation	-12.7%	-12.7%	-37.3%	-34.6%	-17.7%	9.0%	-2.0%	-37.0%	-14.1%	214.4%	60.4%	
Axon Enterprise, Inc.	-6.0%	-6.0%	16.1%	-2.8%	7.6%	39.3%	40.2%	-34.7%	66.8%	77.6%	74.6%	
CPI Aerostructures, Inc.	-27.0%	-27.0%	-7.9%	-25.6%	-19.6%	-14.6%	-4.9%	-4.7%	-32.1%	50.2%	-15.79	
Cubic Corporation	10.1%	10.1%	32.1%	1.0%	1.1%	2.2%	1.5%	-10.2%	0.0%	9.8%	10.0%	
Curtiss-Wright Corporation	-7.2%	-7.2%	20.6%	11.1%	12.8%	19.8%	43.6%	-3.0%	13.4%	89.6%	-7.1%	
DigitalGlobe, Inc.	14.3%	14.3%	89.3%	-2.0%	4.1%	19.7%	83.0%	-49.4%	-24.7%	68.4%	42.8%	
Ducommun Incorporated	12.6%	12.6%	88.8%	5.4%	4.7%	19.3%	57.6%	-35.8%	-15.2%	84.4%	26.8%	
Elbit Systems Ltd.	12.7%	12.7%	21.5%	25.9%	23.4%	24.1%	15.2%	44.0%	1.0%	51.3%	-2.6%	
Embraer S.A.	11.9%	11.9%	-18.1%	-15.3%	-15.0%	-7.3%	-35.5%	-17.1%	15.0%	13.4%	11.8%	
Engility Holdings, Inc.	-14.1%	-14.1%	54.3%	-1.8%	-13.7%	N/A	3.8%	-24.1%	28.1%	73.4%	N/A	
Sterline Technologies Corporation	-3.5%	-3.5%	34.3%	-13.3%	-6.9%	3.8%	10.1%	-26.1%	7.6%	60.3%	13.7%	
General Dynamics Corporation	8.4%	8.4%	42.5%	17.4%	19.8%	20.6%	25.7%	-0.2%	44.0%	37.9%	4.3%	
HEICO Corporation	13.0%	13.0%	45.0%	19.5%	13.2%	21.4%	41.9%	-10.0%	4.2%	61.8%	-4.3%	
Hexcel Corporation	6.0%	6.0%	24.8%	3.0%	7.8%	17.8%	10.7%	12.0%	-7.2%	65.8%	11.49	
Huntington Ingalls Industries, Inc.	8.7%	8.7%	46.2%	19.5%	25.1%	37.8%	45.2%	12.8%	24.9%	107.7%	38.6%	
nnovative Solutions and Support, Inc.	-9.3%	-9.3%	14.8%	-10.9%	-26.3%	-7.3%	20.7%	-13.2%	-56.4%	111.9%	0.0%	
KLX Inc.	-0.9%	-0.9%	39.1%	7.7%	N/A	N/A	46.5%	-25.4%	N/A	N/A	N/A	
Kratos Defense & Security Solutions, Inc.	5.1%	5.1%	57.2%	18.6%	1.0%	7.8%	80.5%	-18.3%	-34.6%	52.7%	-15.79	
L3 Technologies, Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
LMI Aerospace, Inc.	59.9%	59.9%	61.9%	6.2%	-0.8%	-5.4%	-14.4%	-28.6%	-4.3%	-23.8%	10.2%	
Lockheed Martin Corporation	7.1%	7.1%	20.8%	14.8%	17.9%	24.4%	15.1%	12.8%	29.5%	61.1%	14.19	
Mercury Systems, Inc.	29.2%	29.2%	92.4%	58.5%	43.5%	24.1%	64.6%	31.9%	27.1%	19.0%	-30.89	
Micronet Enertec Technologies, Inc.	-12.0%	-12.0%	-41.5%	-35.6%	-37.6%	N/A	-36.7%	-41.0%	-30.2%	-22.7%	197.3	
Moog Inc.	2.5%	2.5%	47.4%	-5.3%	0.9%	9.4%	8.4%	-18.1%	9.0%	65.6%	-6.6%	
Northrop Grumman Corporation	2.3%	2.3%	20.2%	21.6%	24.5%	31.2%	23.2%	28.1%	28.6%	69.6%	15.6%	
Orbital ATK, Inc.	11.7%	11.7%	12.7%	13.1%	N/A	N/A	-1.8%	N/A	N/A	N/A	N/A	
RADA Electronic Industries Ltd.	-3.4%	-3.4%	40.4%	-56.1%	-28.9%	-22.3%	63.4%	-85.8%	72.4%	38.1%	-45.49	
Raytheon Company	7.4%	7.4%	24.4%	18.1%	15.6%	23.6%	14.0%	15.1%	19.3%	57.6%	19.0%	
Rockwell Collins, Inc.	4.7%	4.7%	5.4%	0.3%	6.8%	11.0%	0.5%	9.3%	14.3%	27.1%	5.1%	
SIFCO Industries, Inc.	5.9%	5.9%	-12.8%	-39.0%	-35.7%	-15.4%	-19.5%	-67.4%	3.8%	78.2%	-20.9	
Sparton Corporation	-12.0%	-12.0%	16.7%	-7.4%	-10.5%	16.9%	19.3%	-29.5%	1.4%	101.5%	59.4%	
Spirit AeroSystems Holdings, Inc.	-0.7%	-0.7%	27.7%	5.3%	27.1%	18.8%	16.5%	16.3%	26.3%	100.8%	-18.39	

(Multiple year periods are calculated as the average annual return.)

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Quarterly Industry Update

As of March 31, 2017

Industry: Aerospace and Defense



Comparable Public Company Market Price Returns (As of March 31, 2017, continued)											
	YTD	3 Month	1 Year	2 Year	3 Year	5 Year	2015	2014	2013	2012	2011
TAT Technologies, Ltd.	12.0%	12.0%	34.2%	18.1%	5.5%	17.7%	18.2%	10.8%	-16.1%	42.7%	38.8%
Teledyne Technologies Incorporated	2.8%	2.8%	43.5%	8.9%	9.1%	14.9%	38.7%	-13.7%	11.8%	41.2%	18.6%
Tel-Instrument Electronics Corp.	19.3%	19.3%	21.7%	-9.6%	5.9%	-3.7%	-9.3%	-9.2%	-3.8%	52.1%	-40.0%
Textron Inc.	-2.0%	-2.0%	30.5%	3.6%	6.6%	11.3%	15.6%	-0.2%	14.6%	48.3%	34.1%
The Boeing Company	13.6%	13.6%	39.3%	8.6%	12.1%	18.9%	7.7%	11.2%	-4.8%	81.1%	2.7%
The KEYW Holding Corporation	-19.9%	-19.9%	42.2%	7.1%	-20.4%	4.0%	95.8%	-42.0%	-22.8%	5.9%	71.5%
TransDigm Group Incorporated	-11.6%	-11.6%	-0.1%	0.3%	5.9%	13.7%	9.0%	16.3%	21.9%	18.1%	42.5%
Triumph Group, Inc.	-2.8%	-2.8%	-18.2%	-34.3%	-26.4%	-16.3%	-33.3%	-40.9%	-11.6%	16.5%	11.7%
United Technologies Corporation	2.4%	2.4%	12.1%	-2.2%	-1.3%	6.2%	14.1%	-16.5%	1.1%	38.8%	12.2%
Vectrus, Inc.	-6.3%	-6.3%	-1.8%	-6.4%	N/A	N/A	14.2%	-23.8%	N/A	N/A	N/A
Wesco Aircraft Holdings, Inc.	-23.7%	-23.7%	-20.8%	-13.7%	-19.7%	-6.8%	24.9%	-14.4%	-36.2%	65.9%	-5.6%
Median of Industry Public Companies	2.7%	2.7%	21.7%	0.7%	4.1%	13.0%	14.6%	-13.7%	1.6%	57.6%	10.8%

(Multiple year periods are calculated as the average annual return.)

Median Public Company Multiples of the Industry: Aerospace and Defense											
Date:	3/31/2015	6/30/2015	9/30/2015	12/31/2015	3/31/2016	6/30/2016	9/30/2016	12/31/2016	3/31/2017		
EV/Revenues Multiple	1.3x	1.4x	1.2x	1.3x	l.lx	1.3x	1. 3 x	1.4x	1.5x		
EV/EBITDA Multiple	10.6x	10.4x	9.9x	10.4x	10.3x	10.7x	11.9x	12.0x	11.8x		
Price/Earnings Multiple	23.5x	21.8x	19.3x	20.7x	20.8x	23.2x	22.7x	24.1x	24.5x		
EV/Gross Cash Flows Multiple	20.4x	19.6x	17. 3 x	16.1x	19.3x	18.4x	17.8x	17.6x	19.5x		

Industry Init	ial Public Offerings - Industry: Aerospa	ce and Defense (dollars in millio	ns, except shar	e prices)					
Offer Date	Company Name	Offer Price	Shares Offered	Amount Raised	<u>Total Assets</u>	<u>Debt</u>	LTM Revenues	LTM EBITDA	LTM Net Income	LTM Cash Flows
6/20/2016	DroneShield Limited	\$0.15	35.0	\$5.2	N/A	N/A	N/A	N/A	N/A	N/A
6/7/2016	GS Sweden AB	\$1.54	8.0	\$12.3	\$4.0	\$1.2	\$4.9	\$0.6	\$0.2	\$0.8
11/18/2015	Hizeaero Co., Ltd.	\$15.42	4.4	\$67.5	\$52.7	\$30.9	\$28.0	\$5.8	\$2.5	\$7.1
9/30/2015	LIG Nex1 Co., Ltd.	\$64.19	6.9	\$442.9	\$1,564.3	\$136.2	\$1,427.5	\$126.3	\$58.8	\$153.2
2/23/2015	Martin Aircraft Company Limited	\$0.30	67.5	\$20.3	\$1.1	\$0.0	\$0.0	(\$3.2)	(\$3.2)	(\$3.1)
12/22/2014	Aerospace Technology Of Korea, Inc.	\$8.66	2.9	\$24.7	N/A	N/A	N/A	N/A	N/A	N/A
11/16/2014	Strat Aero Plc	\$0.13	8.1	\$1.0	N/A	N/A	N/A	N/A	N/A	N/A
7/9/2014	Starburst Holdings Limited	\$0.25	50.0	\$12.5	\$31.9	\$6.0	\$16.7	\$8.4	\$6.9	\$8.7
6/24/2014	FACC AG	\$12.91	20.4	\$263.3	\$786.1	\$292.3	\$769.3	\$114.4	\$39.9	\$129.6
12/22/2013	Figeac-Aero Société Anonyme	\$12.59	1.9	\$24.0	\$253.4	\$113.1	\$180.3	\$39.3	\$15.3	\$50.5
6/27/2013	Delta Drone SA	\$6.37	0.6	\$3.8	\$6.7	\$1.8	\$2.7	(\$0.8)	(\$0.6)	(\$0.7)
4/10/2012	Erickson Incorporated	\$8.00	3.8	\$38.4	\$233.9	\$131.9	\$152.8	\$25.0	\$15.9	\$32.3
11/28/2011	AVTECH Sweden AB (publ)	\$0.86	2.5	\$2.2	\$2.7	\$1.1	\$1.4	\$0.1	\$0.0	\$0.2
7/27/2011	Wesco Aircraft Holdings, Inc.	\$15.00	21.0	\$315.0	\$1,300.3	\$613.8	\$694.7	\$179.1	\$85.1	\$184.3
6/28/2011	Korea Aerospace Industries, Ltd.	\$14.31	36.6	\$523.7	\$1,336.8	\$393.7	\$1,130.1	\$0.0	\$70.3	\$0.0
Median of Al	l IPOs	nm	nm	\$24.0	\$143.3	\$72.0	\$90.4	\$7.1	\$11.1	\$7.9

Definitions of Financial Terms Used in this Quarterly Industry Update:

 ${\it Enterprise \ Value \ (EV): Market \ Value \ of \ Equity + Market \ Value \ of \ Debt \ - \ Cash}$

Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA): Profitability metric sometimes also referred to as operating profit or operating earnings.

Gross Cash Flows: Net Income + Depreciation and Amortization Expense

Latest Twelve Months (LTM): Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

Quarterly Industry Update

As of March 31, 2017

5/4/2016

Wallop Defence Systems

Median of the 28 M&A Transaction Targets

Industry: Aerospace and Defense



Recent Merge	r and Acquisition Transaction	s for a Majority Stake (dollars i	n millions)						
Iransaction Date	<u>Target</u>	Acquirer	Transaction Size	% Bought	LTM Revenues	LTM EBITDA	EV/Revenues	EV/EBITDA	Target Country
4/13/2017	B/E Aerospace, Inc.	Rockwell Collins, Inc.	\$8,187.6	100%	\$2,861.7	\$606.3	2.8x	13.3x	United States
3/17/2017	Eicher Engineering Solutions	Segula Tecnologias Espala	\$1.9	100%	N/A	N/A	N/A	N/A	United States
1/9/2017	FluxData, Inc.	Halma plc	\$27.5	100%	\$5.2	N/A	5.3x	N/A	United States
1/4/2017	Teletronics Technology Corp.	Curtiss-Wright Controls	\$233.0	100%	N/A	N/A	N/A	N/A	United States
12/22/2016	Pacific Safety Products Inc.	Med-Eng Holdings ULC	\$11.9	100%	\$15.0	\$0.4	0.8x	26.5x	Canada
12/21/2016	LATECOERE Services SAS	Groupe ADF SAS	\$67.4	100%	\$113.5	N/A	0.6x	N/A	France
12/9/2016	IPI Solutions Ltd.	Ideagen PLC	\$8.9	100%	\$2.1	\$0.4	3.3x	16.5x	United Kingdom
12/1/2016	Camber Corporation	Huntington Ingalls	\$380.0	100%	\$364.0	N/A	1.0x	N/A	United States
11/16/2016	The Radiant Group	DigitalGlobe, Inc.	\$140.0	100%	N/A	N/A	N/A	N/A	United States
11/16/2016	The Radiant Group, Inc.	DigitalGlobe, Inc.	\$140.0	100%	N/A	N/A	N/A	N/A	United States
10/17/2016	NanoSpace AB	GS Sweden AB	\$2.9	100%	N/A	N/A	N/A	N/A	Sweden
9/16/2016	Honeywell Technology	KBR Holdings, LLC	\$300.0	100%	N/A	N/A	N/A	N/A	United States
9/9/2016	American Science	OSI Systems, Inc.	\$269.1	100%	\$103.0	(\$0.4)	1.8x	N/A	United States
8/26/2016	Crimson Trace Corporation	Smith & Wesson	\$95.0	100%	\$44.0	N/A	2.2x	N/A	United States
8/1/2016	Explomo Technical Services	N/A	\$2.2	100%	N/A	N/A	N/A	N/A	Singapore
7/22/2016	Kreisler Manufacturing	United Flexible, Inc.	\$34.5	100%	\$34.4	\$3.7	0.8x	7.6x	United States
7/14/2016	Sarl Techno-Meca	Tecnoquark Trust, S.A.	\$2.8	100%	\$3.3	\$0.7	0.8x	4.2x	France
7/11/2016	Kent Periscopes Ltd.	Gooch & Housego plc	\$12.3	100%	N/A	N/A	N/A	N/A	United Kingdom
7/6/2016	Alfalight, Inc.	Gooch & Housego plc	\$1.3	100%	N/A	N/A	N/A	N/A	United States
7/1/2016	Wyle Inc.	KBR Holdings, LLC	\$600.0	100%	N/A	N/A	N/A	N/A	United States
6/30/2016	Fly by Wire Systems	LORD Corporation	\$44.2	100%	\$41.9	N/A	l.lx	N/A	France
6/28/2016	Armasight Inc.	FLIR Systems, Inc.	\$41.0	100%	N/A	N/A	N/A	N/A	United States
6/27/2016	EID - Empresa	Cohort PLC	\$11.9	57%	\$16.0	N/A	1.3x	N/A	Portugal
6/23/2016	ILC Industries, LLC	TransDigm Inc.	\$1,000.0	100%	N/A	N/A	N/A	N/A	United States
5/31/2016	Doosan DST Co., Ltd	Hanwha Techwin Co., Ltd.	\$608.7	100%	\$607.1	N/A	1.0x	N/A	South Korea
5/27/2016	Sigma Precision Comp.	Silverfleet Capital Partners	\$94.1	100%	\$51.1	N/A	1.8x	N/A	United Kingdom
5/17/2016	Herndon A&D	KLX Inc.	\$221.5	100%	\$132.5	\$20.3	1.7x	10.9x	United States

\$17.3

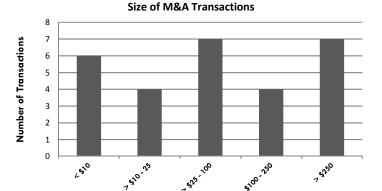
\$55.8

100%

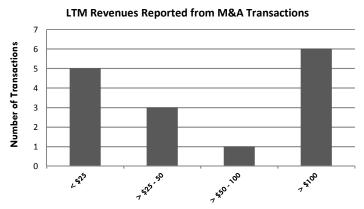
100%

N/A

\$44.0



Chemring Group plc



N/A

\$0.7

N/A

12.1x

United Kingdom

N/A

1.3x

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